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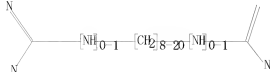
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FILE 'REGISTRY' ENTERED AT 18:37:59 ON 21 JUN 2008

L1 STRUCTURE UPLOADED
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 L3 450 S L1 FULL
 L4 411 S L3 AND CAPLUS/LC

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L1 STR



Structure attributes must be viewed using STN Express query preparation.
 L3 450 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 597358 ITERATIONS
 SEARCH TIME: 00.00.13

450 ANSWERS

=> s l3 not l4

L5 39 L3 NOT L4

=> s l5 and ed<07-18-2003

DATE SPECIFICATION IS NOT VALID

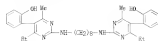
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52653076 ED<07/18/2003
 (ED<20030718)

L6 9 L5 AND ED<07/18/2003

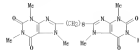
=> d l-9 ide can

LE NUMBER 1 OF 9 REGISTRY COPYRIGHT 2006 ACS on STN
 IN 00449-43-0 REGISTRY
 SD Entered STN: 04 Apr 2005
 CN Phenol, 2,2'-[1,8-octanediylbis[imino(4-methyl-6-methyl-2,5-pyrimidinediyl)]bis- (OC1) (CA INDEX NAME)
 OTHER NAMES:
 CA NC 33403
 MF C14 H14 N6 O2
 SX Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PDB' FORMAT

LE NUMBER 2 OF 9 REGISTRY COPYRIGHT 2006 ACS on STN
 IN 001340-90-3 REGISTRY
 SD Entered STN: 02 Apr 2005
 CN 18-Purine-2,6-dione, 8,8'-(1,8-octanediyl)bis[2,7-dihydro-1,3,7-trimethyl- (CA INDEX NAME)
 OTHER NAMES:
 CA NC 14596
 MF C24 H24 N8 O4
 SX Chemical Library



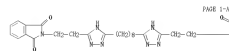
PROPERTY DATA AVAILABLE IN THE 'PDB' FORMAT

LE NUMBER 3 OF 9 REGISTRY COPYRIGHT 2006 ACS on STN
 IN 00067-83-0 REGISTRY
 SD Entered STN: 25 Mar 2005
 CN 1,10-Bisazobenzene, N,N'-bis[1-(heptyl-10-imidazol-2-yl)- (OC1) (CA INDEX NAME)
 OTHER NAMES:
 CA NC 61063
 MF C24 H26 N6
 SX Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PDB' FORMAT

LE NUMBER 4 OF 9 REGISTRY COPYRIGHT 2006 ACS on STN
 IN 005166-16-8 REGISTRY
 SD Entered STN: 18 Jun 2005
 CN 18-Triindolyl-1,1,1-trimethyl-2,2'-[1,8-octanediylbis[1H-1,2,4-triazole-5,5'-diyl-2,1-ethanediyl)]bis- (OC1) (CA INDEX NAME)
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 SX Chemical Library
 Supplier: Ambler
 LC STN Files: CHEMISTS

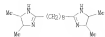


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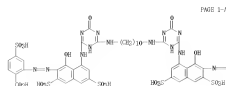
PROPERTY DATA AVAILABLE IN THE 'PDB' FORMAT

LE NUMBER 6 OF 9 REGISTRY COPYRIGHT 2006 ACS on STM
 IN 234795-11-4 REGISTRY
 ID Entered STM 02 May 2006
 CN 18-Indazole, 2,2'-(1,8-octanediyl)bis[4,5-dihydro-4,5-dimethyl- (CA
 INDEX NAME)
 MF C18 H24 N4
 CI COM
 CA



PROPERTY DATA AVAILABLE IN THE "FORM" FORMAT

LE NUMBER 6 OF 9 REGISTRY COPYRIGHT 2006 ACS on STM
 IN 238612-15-1 REGISTRY
 ID Entered STM 19 Jul 2006
 CN Benzoic acid, 2,2'-(1,10-decanediyl)bis[imino(1,6-dihydro-4'-oxo-1,3,5-triazine-4,2-yl)]one-8-hydroxy-2,4-diolate-1,2-naphthalenediyl]bis[4-oxifor- (CA INDEX NAME)
 MF C36 H28 N14 O6S 26
 CI COM
 CA



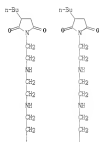
PAGE 1-A

PAGE 1-B



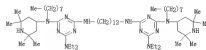
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LE NUMBER 7 OF 9 REGISTRY COPYRIGHT 2006 ACS on STM
 IN 104252-06-9 REGISTRY
 ID Entered STM 27 Sep 1984
 CN 4,6-Terphenylindethione, 1,1'-(1,8-octanediyl)bis[[4,5-dihydro-18-indazo[5,6-f]pyrro]-2,1'-ethanediy]imino-2,1'-ethanediy]bis[4-oxifor- (CA INDEX NAME)
 MF C42 H26 N10 O4
 CI COM
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PAGE 1-A

LE NUMBER 8 OF 9 REGISTRY COPYRIGHT 2006 ACS on STM
 IN 21981-59-0 REGISTRY
 ID Entered STM 14 Nov 1984
 CN 2,2',6-Triazyl[2,4,6'-triazine, N,N''-(1,12-dodecanediyl)bis[4',N'-diethyl-1'-oxyl]-N'-C3,2,6,6'-tetramethyl-4-piperidinyll- (CA INDEX NAME)
 MF C40 H46 N6
 CI COM



PROPERTY DATA AVAILABLE IN THE "FORM" FORMAT



PAGE 2-A

PROPERTY DATA AVAILABLE IN THE "FORM" FORMAT

LS NUMBER 9 OF 9 REGISTRY COPYRIGHT 2006 ACS on STN
BX 6463-52-1 REGISTRY
SD Entered STN 25 Nov 2004
CN 18-Indazole, 2,2'-(1,10-decanediyl)bis[4-methyl-, dihydrochloride (HCl)
CA 30053 MMOL
MF C18 H29 N4 2 Cl 1
LC STN Files RTSCM
NOTE contains numerically searchable property data
CIN CHEM-77-1



● HCl

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FILE 'CAPLUS' ENTERED AT 18:41:28 ON 21 JUN 2008
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FILE COVERS 1907 - 21 Jun 2008 VOL 148 ISS 26
FILE LAST UPDATED: 20 Jun 2008 (20080620/ED)
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http://www.cas.org/legal/infopolicy.html
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L8      216 L7 AND PY<2004
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TRUNCATION COMBINATION NOT VALID '#PARASIT#'
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=> s 18 and ( #parasit# or #malaria# or #trypano#)
TRUNCATION COMBINATION NOT VALID '#PARASIT#'
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      20546 MALARIA#
      0 ANTIMALAR#
      13 TRYpano#
      0 ANTItrypano#
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      TRYpano# OR ANTItrypano#)
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=> d bib abs hitstr
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19 NUMBER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STM
 20 2001 695046 CAPLUS
 21 105-56637
 22 Synthesis and Biological Evaluation of α -Triazine Substituted Polyamines
 23 as Potential New Anti-Trypanosomal Drugs
 24 Clarke, Richard; Stewart, Whairi; Barrett, Michael P.; Scun, Rebo,
 25 Gilbert, Ian R.
 26 Welsh School of Pharmacy, Cardiff University, Cardiff, CF10 3DY, UK
 27 Journal of Medicinal Chemistry (2001), 44(12), 3649-3652
 28 ISSN: 0002-6223
 29 British Chemical Society
 30 Journal
 31 British
 32 JCSGACT 105-56637
 33 The P2 transporter is a nucleoside transporter which is unique to the
 34 trypanosoma parasite Trypanosoma brucei, the causative organism of
 35 Human African Trypanosomiasis. The transporter has been shown to bind
 36 some structural motifs not recognised by other transporters. In this
 37 paper we describe the use of the melamine motif, a substrate of the P2
 38 transporter, as a potential tool to selectively deliver polyamine analogs
 39 to the parasite. The synthesis of a number of polyamine analogs attached to
 40 a variety of melamine analogs is described. Many of the compounds were
 41 shown to competitively inhibit uptake of adenosine, indicating that they
 42 are recognised by the transporter. Some of the compounds showed good *in*
 43 *vitro* activity against the parasite.
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L10      7 L8 AND PHARMACOLOGY/SC

=> d l-7 bib abs hitstr
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L10 NUMBER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS on STN

AN (92) 55363 CAPLUS

DE 27-15103

ORIP 97 25901a, 25904a

IT Pharmacological activities of polyacetylene- and polycyclohexene-bis(2'-amino-

1,5-diazepinyl) iodides

AB Bakhshali, A. V.; Luk, Yuen-Lo, N. G.; Serpin, T. A.; Oleshin, A. Ya.;

Musarov, B. T.; Kirschenko, T. T.; Afanas'eva, T. A.

CH Marx. J. Pharm. Med. 1999, 102(3)

59 Farmakologiya i Toksikologiya (Moscow) (1992), 45(4), 24-7

ORIG PATW99, ISSN 0014-0139

DE Journal

LA Russian

CL

L10 NUMBER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS on STN

(Continued)



AB Seven bisquaternary compds. I (n = 2, 4, 6, or 8) and II (n = 1, 2, or 3) were tested for nicotinic and muscarinic, hypotensive, vasodilator-blocking, and anticholinesterase activity and toxicity. The toxicity of I and II does not exceed that of analogous bisquaternary compds. such as hexammonium. The ganglion-blocking and hypotensive activity of I (n = 8) was 1.0-2 times greater than that of hexammonium. Structure-activity relations are discussed.

IT RG91-06-5
R. 546. (Biological activity or effecton, exact adverse); NEU (Biological study, unclassified); TSD (Therapeutic use); D.M. (Biological study); UDS3 (Gen).

pharmacol. eff., structure in relation to)

RG91-06-5 CAPLUS

CH 1,4-bis[2-(2-amino-1,5-diazepinyl)-6,6,7-tetrahydro-1H-1,2-diazepin-2-yl]-, dihydroiodide [UK] CA INDEX NMRG



●: II

=> d his

(FILE 'HOME' ENTERED AT 18:37:53 ON 21 JUN 2008)

FILE 'REGISTRY' ENTERED AT 18:37:59 ON 21 JUN 2008

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 450 S L1 FULL
L4 411 S L3 AND CAPLUS/LC
L5 39 S L3 NOT L4
L6 9 S L5 AND ED<07/18/2003

FILE 'CAPLUS' ENTERED AT 18:41:28 ON 21 JUN 2008

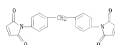
L7 244 S L3
L8 216 S L7 AND PY<2004
L9 1 S L8 AND (PARASIT# OR ANTIPARASIT# OR MALARI# OR ANTIMALAR# OR
L10 7 S L8 AND PHARMACOLOGY/SC

=> s l8 not (l9 or l10)

L11 209 L8 NOT (L9 OR L10)

=> d l-209 bib abs hitstr

- L11 INDEX 1 OF 260 CAPLUS COPYRIGHT 2006 ACS on STM
AN 2000-249009 CAPLUS
IN 141-17777
T1 Thermoreactive bismaleimides containing 2-substituted benzimidazole units
Paton, Ivan Alexandrovich; Mamonov, Dmitry Malovich; Babueva, Larisa
Dolzhikova
C2 Lab. Synthetic and Nature Polymers, Mirel'nyi Inst. Nature Management at
Russian Acad. Sci., Ul'm-106, 610047, Russia
D0 Materials Technology Meeting/Pre-Conference "III"
Kirichukovskiy Otkrytiya", Sankt. Russian Federation, Mar. 25-26, 2000 (2000), 146-150, RUS(Eng); Mamonov, N. A. Publisher: Nauka
Gosudarstvennyy Tekhnicheskii Universitet, Krasn. Russia
0000 (Englis), ISSN 8-780-0029-0
JF Conference
L0 Russia
AB Thermoreactive bismaleimides have been obtained by the interaction of
benzotriazole- and 4'-(di-tert-butylamino)benzimidazoles with
octamethylene(2-benzimidazole) in the melt. They are dissolved at room
temperature in polar solvents. Structure and composition were confirmed by
IR spectroscopy and elemental anal. data. According to DSC heating rate
10 °C/min⁻¹, oligomers melted at 190° crosslinked at
190-225°. IR weight loss was observed at 350-360° C.
T7 20179-14-7
RE PRE (Preparation), SYN (Synthetic preparation); PREP (Preparation)
(oligomer); Thermoreactive bismaleimides containing 2-substituted
benzimidazole (GPI)
IN 20179-14-7 CAPLUS
C2 1E-Propene(2,4'-diene, 1,1'-(methylene)-4,4'-biphenyl)-bis-, polymer with
2,2'-(1,8-octamethyldiylidene)-bis(benzimidazole) (GCI) (CA INDEX NAME)
CM 1
CIN 15678-54-6
CIP C21 814 96 04

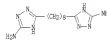


CM 2

CIN 222-14-7
CIP C22 824 94

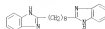
- T7 5235-14-7
RE ACT (Reactant), RACT (Reactant or reagent)
(thermoreactive bismaleimides containing 2-substituted benzimidazole units)

- L11 INDEX 3 OF 260 CAPLUS COPYRIGHT 2006 ACS on STM
AN 2000-290204 CAPLUS
IN 140-10942
T1 Coordination Compounds of Copper(II) with Bis(5-amino-1,2,4-triazol-3-
-yl)alkanes
A2 Barchi, M. L.; Chakravara, S. A.; Kartavich, V. P.; Mel'nikov, V. V.
C2 St. Petersburg State University of Technology and Design, St. Petersburg,
Russia
D0 Russian Journal of General Chemistry (translation of Zhurnal Obshchei
Khimii) (2000), 70(3), 482-487
0000 RUS(Eng), ISSN 0009-5863
JF RSC: Nucleo/interperiodic Publishing
JL Journal
LA English
AB Cu(ONO)2 and Cu(ONO)2(NO)2 C = bis(5-amino-1,2,4-triazol-3-yl)alkanes)
were prepared. The coordination polyhedron of Cu(II) has different
configurations depending on the structure of the ligand and on the
coordination mode.
T7 26060-44-63P, 1,8-bis(5-amino-1,2,4-triazol-3-yl)octane, copper
complex
RE SYN (Synthetic preparation); PREP (Preparation)
(preparation and thermal decomposition of)
IN 26060-44-4 CAPLUS
C2 1E-2,4,6-triazol-5-amino, 8,8'-(1,8-octamethyldiyl)bis- (GCI) (CA INDEX NAME)

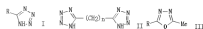


- RE CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE F00047

- L11 INDEX 1 OF 260 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)
IN 5235-14-7 CAPLUS
C2 1E-Benzimidazole, 2,2'-(1,8-octamethyldiyl)bis- (CA INDEX NAME)



- L11 INDEX 3 OF 260 CAPLUS COPYRIGHT 2006 ACS on STM
AN 2000-190076 CAPLUS
IN 159-53004
T1 Synthesis of new heterocyclic fatty compounds
A2 Puzovler, Sandra; Metzner, Jürgen O.
C2 Department of Chemistry, University of Oldenburg, Oldenburg, 26129,
Germany
D0 European Journal of Organic Chemistry (2000), (5), 885-890
0000 ENG(Eng), ISSN 1358-1808
JF Wiley-VCH Verlag GmbH & Co. KGaA
JL Journal
LA English
C2 CASREACT 139-10004
C1



- AB The terminal tetrazoles I (R = Me(CH2)10, Me(CH2)16, (2'-
Me(CH2)10CH2CH(CH2)7), Me(CH2)15, CH(CH2)28), the tetrazole analogs of
the most important naturally occurring fatty acids, have been synthesized
from fatty nitriles RCN (same R) and completely characterized.
The bis(tetrazole) II was prepared and represents a valuable supplement to
the previously known C=C-alkyl- and alkene-joined bis(tetrazoles). The
tetrazoles I were converted into the prep. 1,3,6-triazolones III (same R)
by heating in acetic anhydride. Three bis(fatty acids) were also
obtained. A 1,8-disubstituted tetrazole was synthesized from Me-
9,10-bispropanoateanatoate by means of an improved Schmidt reaction. From Me-
9,10-bispropanoateanatoate, various heterocycles such as
4,5-dihydroisoxazoles, oxadiazoles, hydantoins, oxazoles, and
imidazolidinethione were prepared. Because of their structural relationship to
the naturally occurring prostaglandins, some of these heterocycles should be
of interest as homoprostaglandins.
T7 546115-27-2P
RE, RCT (Reactant); SYN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
IN 546115-27-2 CAPLUS
C2 1E-Tetrazole, 5,5'-(1,10-decadiyldiyl)bis- (GCI) (CA INDEX NAME)



- RE CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE F00047

L11 ANKER 7 OF 269 CAPLIS OMPRIGHT 2006 ACS on STN (Continued)

RE CNT 59 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE ISI FORMAT

L11 ANKER 8 OF 269 CAPLIS OMPRIGHT 2006 ACS on STN

AN 2002/28350 CAPLIS

IN 1374259

T1 Poly(benzoxazoles) based on bis(maleimide) and 2,2'-bis(benzimidazole) synthesized through cyclodehydration of dicarboxylic acid and bis(o-aminomaleimide)

AU Parkin, I. A.; Megueria, B. M.; Radwan, L. D.; Derzhovskii, Ya. E.
CS Bural Institute of Natural Sciences, Russian Academy of Sciences, Suzdal Republic, 607000, Russia

T5 Precondensation Synthesis, Series A & Series B (2002),

41(2), 116-119

CODEN VESRDE, ISSN 1002-3001

R112 Naka/Interperiodica Publishing

JF Journal

JA Belarus

AS Belarus

T6 The condensation of isophthaloyl and sebacoyl dichlorides with 2 mol of o-phenylenediamine in DMSO and the subsequent thermal cyclodehydration of the polycondensed bis(o-aminomaleimide) dichlorides at 250-400°C yielded 2,2'-bis(benzimidazole)s. The migrational copolymer of the latter complex with the equimolar amount of 4,4'-diphenyl oxide-bis(maleimide) produced poly(benzoxazoles) with $\eta_{inh} = 0.4$.

CNC, 2002, 0.5 g/dL, an acetanilide residue in the chain. As evidenced by TGA, the temperature corresponding to the 10% weight loss falls in the 300-600°C range.

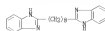
T7 E235-14-72

RE: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

T8 Poly(benzoxazoles) based on bis(maleimide) and 2,2'-bis(benzimidazole) synthesized through dichlorides of dicarboxylic acid and bis(o-aminomaleimide)

IN E235-14-7 CAPLIS

CS 2,2'-bis(benzimidazole), 2,2'-(1,8-octanediyl)bis- (CA INDEX NAME)



T7 E235-14-4P

RE: SPN (Synthetic preparation); PREP (Preparation)

T8 Poly(benzoxazoles) based on bis(maleimide) and 2,2'-bis(benzimidazole) synthesized through dichlorides of dicarboxylic acid and bis(o-aminomaleimide)

IN E235-14-4 CAPLIS

CS 2,2'-bis(benzimidazole), 2,2'-(1,8-octanediyl)bis- (CA INDEX NAME)

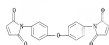
ON 1877777-2, 2-dione, 1,1'-bis(2,2',4,4'-tetrakis(methyleneoxy)-5,5'-bis(1,8-octanediyl)bis(benzimidazole) (CA INDEX NAME)

ON 1

CNC 13133-94-0

CNC C2 812 82 05

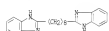
L11 ANKER 8 OF 269 CAPLIS OMPRIGHT 2006 ACS on STN (Continued)



ON 2

CNC E235-14-7

CNC C2 826 84



L11 ANKER 9 OF 269 CAPLIS OMPRIGHT 2006 ACS on STN

AN 2001/27074 CAPLIS

IN 136102358

T1 Synthesis of amino-1,2,4-triazoles

AU Baran, M. I.; Kartavkh, V. P.; Korolev, E. A.; Tugul, I. D.; Gerasimov, A. V.; Melnikov, V. V.

CS St. Petersburg University of Engineering and Design, St. Petersburg, Russia

T5 Russian Journal of General Chemistry (Translation of Zhurnal Obshchei Khimii) (2001), 71(10), 1877-1885

CODEN RJOCEX, ISSN: 1070-3623

R112 Naka/Interperiodica Publishing

JF Journal

JA Belarus

AS Belarus

T6 CASREACT 136102358

T7 A scheme of synthesis of amino-1,2,4-triazoles under conditions of low-temperature polycondensation is proposed. The effect of reaction conditions on the yield and properties of reaction products is established.

T7 140219-50-7P 200523-14-0P 200523-17-1P

200523-14-0P 200523-17-1P 200523-17-1P

200523-17-1P 200523-17-1P 200523-17-1P

200523-17-1P 200523-17-1P 200523-17-1P

200523-17-1P 200523-17-1P 200523-17-1P

200523-17-1P 200523-17-1P 200523-17-1P

200523-17-1P 200523-17-1P 200523-17-1P

200523-17-1P 200523-17-1P 200523-17-1P

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200523-17-1P 200523-17-1P 200523-17-1P

200523-17-1P 200523-17-1P 200523-17-1P

L11 ANKER 9 OF 269 CAPLIS OMPRIGHT 2006 ACS on STM (Continued)



BN 060223-47-1 CAPLIS
CN Poly[1H-1,2,4-triazole-3,5-diylmino(1,2'-diisopropyl-2-ethandiy)] imino-1H-1,2,4-triazole-3,5-diyl-1,8-octandiy]] (SCI) (CA INDEX NAME)

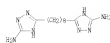


BN 060606-1E-0 CAPLIS
CN Benzenediyl dichloride, polymer with 5,5'-(1,8-octandiy)bis[1H-1,2,4-triazol-5-amine] (SCI) (CA INDEX NAME)

CM 1

CIN 060606-44-4

COP C12 E52 86



CM 2

CIN 111-59-2

COP C6 88 C12 86



BN 060606-2S-0 CAPLIS
CN Benzenediyl dichloride, polymer with 5,5'-(1,8-octandiy)bis[1H-1,2,4-triazol-5-amine] (SCI) (CA INDEX NAME)

CM 1

CIN 060606-44-4

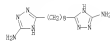
COP C12 E52 86

L11 ANKER 9 OF 269 CAPLIS OMPRIGHT 2006 ACS on STM (Continued)

CM 1

CIN 060606-44-4

COP C12 E52 86



CM 2

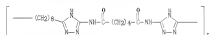
CIN E21-83-4

COP C4 86 C12 86

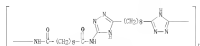
Double bond geometry as shown.



BN 064791-81-6 CAPLIS
CN Poly[1H-1,2,4-triazole-3,5-diylmino(1,4'-diisopropyl-2-ethandiy)] imino-1H-1,2,4-triazole-3,5-diyl-1,8-octandiy]] (SCI) (CA INDEX NAME)

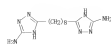


BN 064798-09-1 CAPLIS
CN Poly[1H-1,2,4-triazole-3,5-diyl-1,8-octandiy]-1H-1,2,4-triazole-3,5-diylmino(1,4'-diisopropyl-2-ethandiy)] imino] (SCI) (CA INDEX NAME)



BN 064798-09-7 CAPLIS
CN Poly[1H-1,2,4-triazole-3,5-diylmino(1,4'-diisopropyl-2-ethandiy)] imino-1,4'-diyl imino-1H-1,2,4-triazole-3,5-diyl-1,8-octandiy]] (SCI) (CA INDEX NAME)

L11 ANKER 9 OF 269 CAPLIS OMPRIGHT 2006 ACS on STM (Continued)



CM 2

CIN 111-19-2

COP C10 856 C12 86

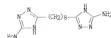


BN 060606-50-8 CAPLIS
CN 1,4-Benzenedinitrophenyl dichloride, polymer with 5,5'-(1,8-octandiy)bis[1H-1,2,4-triazol-5-amine] (SCI) (CA INDEX NAME)

CM 1

CIN 060606-44-4

COP C12 E52 86



CM 2

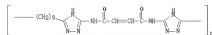
CIN 100-30-2

COP C9 84 C12 86



BN 064125-76-2 CAPLIS
CN 2-Benzenediyl dichloride, [2D]-, polymer with 5,5'-(1,8-octandiy)bis[1H-1,2,4-triazol-5-amine] (SCI) (CA INDEX NAME)

L11 ANKER 9 OF 269 CAPLIS OMPRIGHT 2006 ACS on STM (Continued)



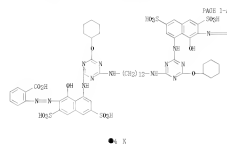
RE. CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANWER 13 OF 309 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)



IN 278613-45-9 CAPLUS
 CN Benzoic acid, 2,2'-(1,12-dichlorodiphenylbis[imino(6-oxocyclohexyl)-3,5,6-triazine-4,7-diyl]imino(8-hydroxy-3,6-dichloro-1,7-naphthalenediylam))bis-, tetrapotassium salt (XCI) (CA INDEX NAME)

PAGE 1-5



PAGE 1-A



IN 278613-70-0 CAPLUS
 CN Benzoic acid, 2,2'-(1,18-octadecadienylbis[imino(6-methoxy-1,3,5-triazine-4,7-diyl)imino(8-hydroxy-3,6-dichloro-1,7-naphthalenediylam))bis[5-anti-

PAGE 1-5

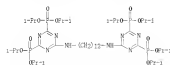
L11 ANWER 16 OF 309 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 2000-262684 CAPLUS
 IN 133-11640
 IT Organic NMR studies of phosphorylated diamine-coupled bis-1,3,5-triazines
 Kiefer, T.; Gottschalk, B.; Kirschner, K.; Bartschke, M.; Quastner, S.; Fischer, M.
 CZ Institut für Angewandte Chemie Berlin-Adlershof, Berlin, D-12584, Germany
 SO Phosphorus, Sulfur and Silicon and the Related Elements (1998), 141, 135-144
 COORD. FOCUS, ISSN: 1042-4007
 PB Jordan & Breach Science Publishers
 JT Journal
 LA German
 QA 435.862-133 177440
 AS Sixteen different N,N'-bis[di(allylphosphono)-1,3,5-triazin-2-yl]diamines were obtained in 30-35% yield by Henry reaction of bis(4,6-dichloro-1,3,5-triazin-2-yl)diamines and triallyl phosphites P(OEt)₃ (R = Me, Et, nBu). Unsubstituted, at room temperature only two of four R atoms are magnetically equivalent, as shown by 13C and 31P NMR studies.

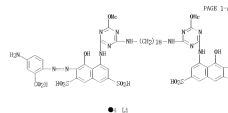
IT 275212-14-1
 RU ACT (Reactant), RACT (Reactant or reagent)
 (Henry reaction of bis(dichlorotriazinyl)diamines with triallyl phosphites)
 IN 275212-34-1 CAPLUS
 CN 1,12-dodecanediamine, N,N'-bis[4,6-dichloro-1,3,5-triazin-2-yl]- (XCI) (CA INDEX NAME)



IT 275212-12-7P
 RU (SN Synthesis preparation), PREP (Preparation)
 (Preparation and dynamic NMR studies of phosphorylated diamine-coupled triazines)
 IN 275212-12-7P CAPLUS
 CN Phosphoric acid, [1,12-dichlorodiphenylbis[imino(1,3,5-triazine-4,5,6-triyl)tetrahydro-6-oxo-1-methylphosphoryl]ester (XCI) (CA INDEX NAME)



RE CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THIS RECORD

L11 ANWER 15 OF 309 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)
 , tetralithium salt (XCI) (CA INDEX NAME)

PAGE 1-A

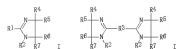
PAGE 1-5



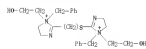
L11 ANWER 16 OF 309 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 2000-212138 CAPLUS
 IN 132-268524
 IT Corrosion inhibitor containing indazole compound for pickling of metals
 Sasaki, Hiroshi; Ohnara, Haruo; Fujimura, Kazuaki
 PA Asahi Chemical Co., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 p.
 COORD. JTX4P
 DT Patent
 LA Japanese
 PAK CNT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 200000072	A	20000904	JP 1999-190059	19990705 (--)
PRAL JP 1999-190059	B2	20000910		
QE JAPAKAT 132-268524	A	19990724		
CI				

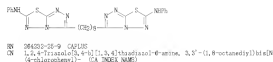
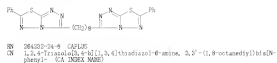
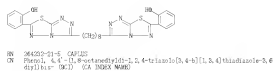


AS A corrosion inhibitor for pickling of metals consists of a) indazole compound obtained by substitution of indazole compounds II; R1 is C1-20 alkyl, C6-20 aryl, benzyl, heterocyclic group, or C9-20 condensed polycyclic group; R2 is H, hydroxyethyl, benzyl, or C1-20 alkyl; R3 is allyl group represented by CH2=CH- in C1-20 alkyl with a substitution agent, e.g., benzyl chloride or diethylsulfuric acid. The substitution agent is preferably benzyl chloride or diethylsulfuric acid.
 IT 275202-01-4P
 RU (PREP Preparation, unclassified); PREP (Preparation)
 (Corrosion inhibitor containing indazole compound for pickling of metals)
 IN 172362-01-0 CAPLUS
 CN 19-Indazole, 3,2'-(1,8-octadienyl)bis[4,5-dihydro-1-G-hydroxyethyl-1-(phenylmethyl)-, dichloride (XCI) (CA INDEX NAME)



● CI -

L11 ANKER 17 06 2009 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



L11 ANKER 18 06 2009 CAPLUS COPYRIGHT 2008 ACS on STN

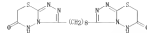
- AN 0000-00004 CAPLUS
AN 132-16082
T1 2119121 Ion Induced Reverse U-Shape Monolayers of poly(arylthienobenzimidazole)s at the Air/Water Interface
AU Liu, Weidong; Cai, Jinfeng
CS Laboratory of Colloid and Interface Science Center for Molecular Science Institute of Chemistry, The Chinese Academy of Sciences, Beijing, 100084, P.R. China
SO LANGELOU, CORDON, 16 (6), 2009-2001
GGNEN, LANGELOU, ISSN 0943-7463
JF Journal
JA Journal
AB The monolayer behaviors at the air/water interface of a series of poly(arylthienobenzimidazole)s with the number of methylene groups ranging from 0 to 8, are investigated. It has been found that the monolayer formation can be induced by the presence of Me^+ ion in the subphase, while no monolayer could form on plain water surface. It has been further shown that when the number of the methylene groups between the benzimidazole moieties is equal to or larger than 6, reverse U-shape monolayers can be formed. The glycerophore group in the shortest length so far reported for poly(arylthienobenzimidazole)s to bend to form the reverse U-shape monolayer at the air/water interface.
IT E235-14-10, polymeric complexes with silver ion
E2-782
(silver(I) ion-induced reverse U-shape monolayers of poly(arylthienobenzimidazole)s at the air/water interface)
BN E235-14-7 CAPLUS
CN 14-benzimidazole, 3,3'-[1,8'-octanediyldi]bis- (CA INDEX NAME)

RE CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE ISI PFORMAT

L11 ANKER 17 06 2009 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

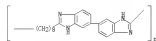
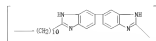


PAGE 1/5

RE CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE ISI PFORMAT

L11 ANKER 18 06 2009 CAPLUS COPYRIGHT 2008 ACS on STN

- AN 1999-22228 CAPLUS
AN 150-325-638
T1 Bu40 complex catalyzed polyaddition. New synthesis of poly(alkylenebenzimidazole)s and poly(alkylenebenzimidazole)s
AU Tamarit, Isaac; Okada, Akihiro; Yumoto, Takashi
CS Research Laboratory Resources Utilization, Tokyo Institute Technology, Yokohama, 226, Japan
SO Polymer Bulletin (Berlin) (1998), 42(2), 141-147
CODEN: POLYDE 1558 0170-0037
JB Springer-Verlag
JF Journal
JA Journal
AB The reactions of 4,4'-diamine, HC, talbond C(CH3)2C(CH3)2OH CH in = 6 and 8), with 3,3'-diaminobenzidine and with 3,3'-diamino-4,4'-dihydroxybiphenyl in the presence of $\text{Bu}_4\text{O}^+\text{PF}_6^-$ catalyst give the corresponding poly(alkylenebenzimidazole)s and poly(alkylenebenzimidazole)s, respectively. The former polymers obtained from the equimolar reaction of the monomers are partly soluble in polar organic solvents such as DMF, DMSO, and NMP, while the poly(benzimidazole)s are soluble in these solvents. GPC measurement shows the mol. wt. of the polymers, No. of 6.8-14.1x10³ and No. of 6.6-15.7x10³.
IT 2500-67-07 90166-49-1P
E2-782
E2-782
(preparation of poly(alkylenebenzimidazole)s and poly(alkylenebenzimidazole)s by polymer-catalyzed polyaddition of diamine with diamine compounds)
BN 2500-67-08 CAPLUS
CN Poly(10,5'-bi-1,8-benzimidazole)-2,2'-diyl-1,8-octanediyldi- (CA INDEX NAME)

BN 90066-49-1 CAPLUS
CN Poly(10,5'-bi-1,8-benzimidazole)-2,2'-diyl-1,8-octanediyldi- (OC1) (CA INDEX NAME)RE CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE ISI PFORMAT

L11 ANKER 25 OF 269 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1996 15641E CAPLUS

TP 179 17767

QRP 179 15941A, 16560m

T1 Biled reduction agents for ink jet printing inks

TX Senoo, Ronald Wynford; Mistry, Prashad Manish; Lavery, Andan Joseph

DU Owens-Illinois, UK

SO PCT Int. Appl. 41 pp

OSOW F1X10G

JP Patent

LA FAN 01

PATENT NO.	SYNO	DATA	APPLICATION NO.	DATE
FI 9616342G	A	19960919	96 1600-0137	19960115 <
EP 0646411	A	19961229	EP 1996-000600	19960116 <
US 5,755,266	PL	19991229	US 1996-000600	19960116 <
JP 200117200	T	20001802	JP 1996-032906	19960115 <
DE 694492	T	20000809	DE 1996-032906	19960606 <
GB 1999 0254	A	19990805		
NO 1996-0511	F	19960115		

OE MARPAT 179 17767

AS The compound 6-(N,N,N',N'-tetraalkyl)-2,4,6-triazine-3,5,1,3'-diol and salts thereof [Ar, Ar'] = aromatic group where one of Ar and Ar' contains OCH₃, J, J' = O, S, NH, etc.; R1 = H, alkyl, B, L = (substituted) triazine nucleophiles, R, R' = O, S, NH; R2 = H, alkyl, L = divalent linking group; m = 0-2 are useful as additives in inks, especially ink jet printing inks, for reducing ink bleed between adjacent printed regions. Also claimed are inks containing a compound of formula (I), a method of ink jet printing using the ink, a substrate printed with the ink and an ink jet printer cartridge containing the ink. A typical bleed reduction agent comprised 2,4-bis(3,5-diacetoxypheyl)amino-6-phenotriazine.

IT 21652-96-43

R, INF (Industrial manufacture): RMA (Modifier or additive name): PRSP

Preparation: RMA (Name)

Other protection agents for ink jet printing inks

R1 61629-26-6 CAPLUS

R2 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R3 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R4 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R5 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R6 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R7 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R8 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R9 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R10 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R11 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R12 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R13 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R14 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R15 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R16 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R17 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R18 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R19 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R20 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R21 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R22 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R23 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R24 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R25 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R26 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R27 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R28 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R29 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R30 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R31 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R32 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R33 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R34 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R35 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R36 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R37 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R38 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R39 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R40 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R41 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R42 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R43 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R44 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R45 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R46 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R47 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R48 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R49 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R50 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R51 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R52 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R53 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R54 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R55 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R56 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R57 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R58 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R59 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R60 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R61 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R62 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R63 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R64 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R65 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R66 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R67 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R68 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

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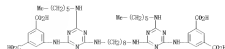
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R79 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

R80 1,4-bis(2-aminophenyl)-2,4,6-triazine-3,5,1,3'-diol (CA INDEX NAME)

L11 ANKER 26 OF 269 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

● NH₂RE CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANKER 24 OF 269 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1996 15641E CAPLUS

TP 179 17767

QRP 179 15941A, 16560m

T1 Synthesis of oligoamides from 3,3'-bis(5-amino-1,2,4-triazolyl)alkanes

TX Bapin, V. I.; Shostakov, A. I.; Senoo, S. A.; Shostakov, A. A.;

Me'nikov, V. V.

DU St. Petersburg, Russia

SO St. Petersburg, Russia

OS St. Petersburg, Russia

OSOW F1X10G

JP Patent

LA FAN 01

AS Synthesis of oligoamides from 3,3'-bis(5-amino-1,2,4-triazolyl)alkanes

with methyl diisocyanide in pyridine under mild conditions

characterized by IR spectroscopy and elemental anal. Effect of reaction

conditions on the overall oligomer yield and factors related to oligomer

low mol. wt. were studied. Specific viscosity, some phys. and chemical

characteristics of oligoamides as well as their functionality are determined

IT 200201-66-0F 200202-47-1P

R, INF (Industrial manufacture): PRSP (Preparation)

Synthesis of oligoamides from 3,3'-bis(5-amino-1,2,4-

triazolyl)alkanes

R1 200201-66-0 CAPLUS

R2 200201-66-0 CAPLUS

R3 200201-66-0 CAPLUS

R4 200201-66-0 CAPLUS

R5 200201-66-0 CAPLUS

R6 200201-66-0 CAPLUS

R7 200201-66-0 CAPLUS

R8 200201-66-0 CAPLUS

R9 200201-66-0 CAPLUS

R10 200201-66-0 CAPLUS

R11 200201-66-0 CAPLUS

R12 200201-66-0 CAPLUS

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R15 200201-66-0 CAPLUS

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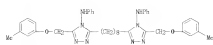
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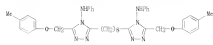
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R85 200201-66-0 CAPLUS

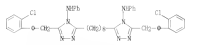
L11 ANKER 26 OF 269 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



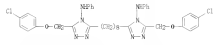
IN 2005R6-60-1 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(4-methylphenyl)methyl]-9-phenyl]- (CA INDEX NAME)



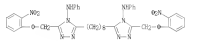
IN 2005R6-62-2 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(2-chlorophenyl)methyl]-9-phenyl]- (CA INDEX NAME)



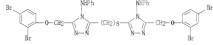
IN 2005R6-64-3 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(4-chlorophenyl)methyl]-9-phenyl]- (CA INDEX NAME)



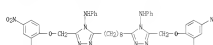
IN 2005R6-65-4 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(2-nitrophenyl)methyl]-9-phenyl]- (CA INDEX NAME)



L11 ANKER 26 OF 269 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



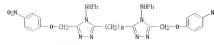
IN 2005R6-61-2 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(2,4-dinitrophenyl)methyl]-9-phenyl]- (CA INDEX NAME)



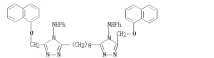
RE CNT 9 THERE ARE 0 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE XB FORMAT

L11 ANKER 26 OF 269 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

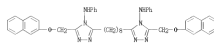
IN 2005R6-66-6 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(4-nitrophenyl)methyl]-9-phenyl]- (CA INDEX NAME)



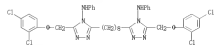
IN 2005R6-67-6 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(1-naphthyl)methyl]-9-phenyl]- (CA INDEX NAME)



IN 2005R6-68-7 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(2-naphthyl)methyl]-9-phenyl]- (CA INDEX NAME)



IN 2005R6-69-8 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(2,4-dichlorophenyl)methyl]-9-phenyl]- (CA INDEX NAME)



IN 2005R6-60-3 CAPLUS
CN 60-1, 2,4-Triazo-4-amine, 3,3'-(1,8-octanediyl)bis[5-[(2,4-dichlorophenyl)methyl]-9-phenyl]- (CA INDEX NAME)

L11 ANKER 26 OF 269 CAPLUS COPYRIGHT 2008 ACS on STN

IN 1999-04181 CAPLUS

IN 1999-04649

IN 1999-04649

IN 1999-04649

IN 1999-04649

IN 1999-04649

IN 1999-04649

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IN 1999-04649

L11 NUMBER 27 OF 309 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1997-06332 CAPLUS
IN 127-16779

QREP Effect of multifunctional monomer on radiation crosslinking of polyacrylonitrile

RI Feng, Haili; Liu, Changlai; Ku, Jin
CS Danchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, 130022, P.R. China

SO Puhe Jiaoliu Yu Puhe Gongsi Beihao (2007), 15(2), 96-99

ABSTRACT CAPLUS 1999-1458

PUHE Jiaoliu Yu Puhe Gongsi Beihao Shandiao

JA Journal

LA Chinese

AS A multifunctional monomer (PMW N,N-bis(4,6-bis(hydroxypropenyl)-2-ethyl-1,4-benzodiazine was synthesized, and was identified by IR spectroscopy and element anal. Little noise was observed when this PMW was kneaded with polypropylene (PP) on a two-roll mill, it did not come out to the sheet sample surface after a long storage time, and the crosslinking of PP by irradiation was notably inhibited.

IT 191500-21-9
R CAPLUS (Synthetic preparation); PREP (Preparation)
(multifunctional monomer effect on radiation crosslinking of polyacrylonitrile)

IN 191500-21-2 CAPLUS
N,N-bis[4,6-bis(4-hydroxypropenyl)-1,3,5-triazin-2-yl]-polyene with 1-propene (XCI) (CA INDEX NAME)

CM 1

CIN 191500-20-5

REF C28 042 04 04



CM 2

CIN 111-45-1

REF C3 10



IT 191500-20-1P
R CAPLUS (Properties); ACT (Reactant); SYN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of multifunctional monomer for radiation crosslinking of polyacrylonitrile)

IN 191500-20-1 CAPLUS
N,N-bis[4,6-bis(4-hydroxypropenyl)-1,3,5-triazin-2-yl]-polyene (XCI) (CA INDEX NAME)

CM 1

L11 NUMBER 28 OF 309 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1997-06392 CAPLUS
IN 127-16759

QREP 127-16759

RI Synthesis, Characterization, and Studies of Heat-Resistant Poly(ether benzimidazole)s

RI Berrado, M.; Acharyo, T.; Lajtheg, N.; Berrado, M.; Khoum, N.; Vanlier, P.; Lakshmi, E.; Gattiere, P.

CS Laboratoire de Chimie Macromoléculaire, Université Hassan II Faculté des Sciences II, Casablanca, Morocco

SO Chemistry of Materials (2001), 9(4), 1269-1280

ABSTRACT CAPLUS 1999-1786

JA American Chemical Society

LA English

AS The present necessity to use heat-resistant materials in electronics justified the scientific interest in different heterocyclic polymers. The preparation and characterization of novel heat-resistant poly(ether benzimidazole)s are presented. The preparation of bis(imidrobenzimidazole) monomers is also presented. The poly(ether benzimidazole)s were prepared by the nucleophilic displacement reaction of 5,6-benzimidol with activated pyrolytic bis(imidrobenzimidazole) comads in N-methylpyrrolidone at 180° in the presence of acetylene potassium carbonate. All poly(benzimidazole)s were obtained in high-yield and with varying vis. inherent viscosities 0.34-0.77 dL/g, which in some cases were in the fiber-forming range. The polymers exhibited glass transition temps 180-200°.

IT 20142-73-4P
R CAPLUS (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(monomer preparation and characterization of poly(ether polybenzimidazole)s)

IN 20142-73-4 CAPLUS

CM 18-benzimidazole, 5,2'-(1,8-octanediyl)bis[5-imino-] (XCI) (CA INDEX NAME)



IT 191900-46-0P 191900-67-2P
R CAPLUS (Properties); SYN (Synthetic preparation); PREP (Preparation)
(preparation and characterization of poly(ether polybenzimidazole)s)

IN 191900-46-0 CAPLUS
1,4-benzimidazole, polymer with 2,2'-(1,8-octanediyl)bis[5-imino-1H-benzimidazole] (XCI) (CA INDEX NAME)

CM 1

CIN 20142-73-4

REF C22 024 04 04



CM 2

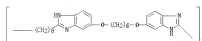
L11 NUMBER 27 OF 309 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



L11 NUMBER 28 OF 309 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CIN 679-11-6
REF C6 014 02



IN 191900-67-1 CAPLUS
CM Poly[1H-benzimidazole-5,2'-diyl]oxy-1,8-hexanediyl-1H-benzimidazole-5,2'-diyl-1,8-octanediyl] (XCI) (CA INDEX NAME)



RE CONT 26 THERE ARE NO CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANKER SS OF 209 CAPLUS OXFORTH 2008 ACS on STN

AN 1506 944S CAPLUS

AB 151199SD

ORIP 12414543,16556a

T1 Synthesis and structures of polyguanamines from bisguanamines and

 α,ω -dibromolactones by alkylation reaction

Yuki, Yasuo (Kansai, Shiken, Res. Academy, Kyoto, Shiki)

CS Dep. Materials Sci., Res. Nagoya Inst. Tech., Nagoya, 066, Japan

JP Polymer Journal (Tokyo) (1983, 27(12), 1259-65)

EN OXFOR. JPLIB, ISSN 0002-099X

FR Society of Polymer Science, Japan

IT Journal

LA English

T2 Polyguanamines were prepared by reaction of bisguanamines with

 α,ω -dibromolactones in the presence of NaH. Polyguanamines

with inherent viscosity 0.1-0.2 dL/g were obtained quantitatively. They began to

lose weight at about 400-450°C in air. The use of the polyguanamines

as chain-transfer catalysts for the reaction of 3-bromocyclohexene with 8

thioacetic acid in toluene-water also was investigated

127080-36-10 127080-39-0P 127080-40-1P

127080-41-9P 127080-42-9P 127080-43-9P

127080-44-9P 127080-45-9P 127080-46-9P

127080-47-9P

SC CA (Catalyst use), FRP (Synthetic preparation),

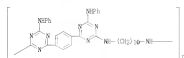
FRFP (Preparation), REES (Other)

T3 Investigation, characterization and properties of

Poly[6-(6-phenylamino)-1,3,5-triazine-2,4-diyl]-1,4-phenylene[6-

(phenylamino)-1,3,5-triazine-2,4-diyl]imino-1,10-decanediylimino] (CI)

(CA INDEX NAME)

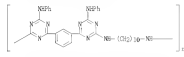


BN 127080-39-0 CAPLUS

CN Poly[6-(6-phenylamino)-1,3,5-triazine-2,4-diyl]-1,4-phenylene[6-

(phenylamino)-1,3,5-triazine-2,4-diyl]imino-1,10-decanediylimino] (CI)

(CA INDEX NAME)



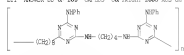
BN 127080-40-1 CAPLUS

CN Poly[6-(6-phenylamino)-1,3,5-triazine-2,4-diyl]-1,4-phenylene[6-

(phenylamino)-1,3,5-triazine-2,4-diyl]imino-1,10-decanediylimino] (CI)

(CA INDEX NAME)

L11 ANKER SS OF 209 CAPLUS OXFORTH 2008 ACS on STN (Continued)



BN 127080-41-9 CAPLUS

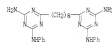
CN 1,3,5-Triazine-2,4-diamine, 6,6'-(1,8-octanediyli)bis(N-phenyl-, polymer

with 1,6-dibromohexane (CI) (CA INDEX NAME)

CM 1

CN 54641-57-1

OP C26 B52 N10



CM 2

CN 639-83-8

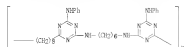
OP C2 H13 Bz2

Br-(CH2)4-Br

BN 127080-42-3 CAPLUS

CN Poly[6-(6-phenylamino)-1,3,5-triazine-2,4-diyl]imino-1,6-hexanediylimino[6-

(phenylamino)-1,3,5-triazine-2,4-diyl]-1,8-octanediyl] (CI) (CA INDEX NAME)



BN 127080-43-4 CAPLUS

CN 1,3,5-Triazine-2,4-diamine, 6,6'-(1,8-octanediyli)bis(N-phenyl-, polymer

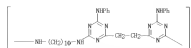
with 1,10-dibromodecane (CI) (CA INDEX NAME)

CM 1

CN 54641-57-1

OP C26 B52 N10

L11 ANKER SS OF 209 CAPLUS OXFORTH 2008 ACS on STN (Continued)

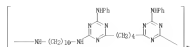


BN 127080-41-9 CAPLUS

CN Poly[6-(6-phenylamino)-1,3,5-triazine-2,4-diyl]-1,4-phenylene[6-

(phenylamino)-1,3,5-triazine-2,4-diyl]imino-1,10-decanediylimino] (CI)

(CA INDEX NAME)



BN 127080-42-3 CAPLUS

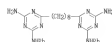
CN 1,3,5-Triazine-2,4-diamine, 6,6'-(1,8-octanediyli)bis(N-phenyl-, polymer

with 1,4-dibromobenzene (CI) (CA INDEX NAME)

CM 1

CN 54641-57-1

OP C26 B52 N10



CM 2

CN 110-55-1

OP C4 B8 Bz2

Br-(CH2)4-Br

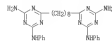
BN 127080-43-4 CAPLUS

CN Poly[6-(6-phenylamino)-1,3,5-triazine-2,4-diyl]imino-1,6-hexanediylimino[6-

(phenylamino)-1,3,5-triazine-2,4-diyl]-1,8-octanediyl] (CI) (CA INDEX NAME)

(CA INDEX NAME)

L11 ANKER SS OF 209 CAPLUS OXFORTH 2008 ACS on STN (Continued)



CM 2

CN 4180-48-2

OP C10 B20 Bz2

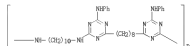
Br-(CH2)10-Br

BN 127080-43-4 CAPLUS

CN Poly[6-(6-phenylamino)-1,3,5-triazine-2,4-diyl]-1,8-octanediylimino[6-

(phenylamino)-1,3,5-triazine-2,4-diyl]-1,10-decanediylimino] (CI) (CA INDEX NAME)

(CA INDEX NAME)



Br-(CH2)10-Br

BN 127080-44-4 CAPLUS

CN 1,3,5-Triazine-2,4-diamine, 6,6'-(1,8-octanediyli)bis(N-phenyl-, polymer

with 1,10-dibromodecane (CI) (CA INDEX NAME)

(CA INDEX NAME)



BN 127080-45-4 CAPLUS

CN 1,3,5-Triazine-2,4-diamine, 6,6'-(1,8-octanediyli)bis(N-phenyl-, polymer

with 1,10-dibromodecane (CI) (CA INDEX NAME)

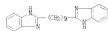
(CA INDEX NAME)

CM 1

CN 54641-57-1

OP C26 B52 N10

L11 ANKER 39 09 399 CAPLUS COMPOSITE 2000 ACS on STN (Continued)
CN 18-Benzimidazole, 2-[9-[methyl-1H-benzimidazol-2-yl]nonyl]- (XCI)
(CA INDEX NAME)



3 (31-Me)

L31 ANKER 38 09 399 CAPLUS COMPOSITE 2000 ACS on STN

AN 1994-043712 CAPLUS

JP 121-245712

ORIP 121-045014, 045044

T1 Surface-treating agent containing alkylbenzimidazole compound for

copper (alloy) of printed circuit

Shimizu, Yoshitomo; Murai, Takayuki; Kikukawa, Yoshimasa; Hirata, Hirohiko;

Yoshida, Takashi

Shimizu Corp., Japan

Jpn. Kokai Tokkyo Koho, 5 pp.

COOPN, JKKKAP

JP Patent

Japanese

PAN, INT

PATENT NO

KIND

DATE

APPLICATION NO

DATE

JP 06173002 A 19940603 19921709 (---)

JP 1990-351806 19901109

ORIPAT 121-045712

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L11 ANKER 39 09 399 CAPLUS COMPOSITE 2000 ACS on STN

AN 1994-010037 CAPLUS

JP 121-245712

ORIP 121-045014, 045044

T1 Surface-treating agent containing alkylbenzimidazole compound for

copper through-hole printed circuits

Shimizu, Yoshitomo; Murai, Takayuki; Kikukawa, Yoshimasa; Hirata, Hirohiko;

Yoshida, Takashi

Shimizu Corp., Japan

Jpn. Kokai Tokkyo Koho, 21 pp.

COOPN, JKKKAP

JP Patent

Japanese

PAN, INT

PATENT NO

KIND

DATE

APPLICATION NO

DATE

JP 06191729 A 19921106 19900407 (---)

JP 1990-199224 19900407

ORIPAT 121-245712

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L11 ANKER 39 09 399 CAPLUS COMPOSITE 2000 ACS on STN (Continued)

AN 1994-010037 CAPLUS

JP 121-245712

ORIP 121-045014, 045044

T1 Surface-treating agent containing alkylbenzimidazole compound for

copper through-hole printed circuits

Shimizu, Yoshitomo; Murai, Takayuki; Kikukawa, Yoshimasa; Hirata, Hirohiko;

Yoshida, Takashi

Shimizu Corp., Japan

Jpn. Kokai Tokkyo Koho, 21 pp.

COOPN, JKKKAP

JP Patent

Japanese

PAN, INT

PATENT NO

KIND

DATE

APPLICATION NO

DATE

JP 06191729 A 19921106 19900407 (---)

JP 1990-199224 19900407

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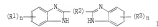
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31-Me

AN 1994-010037 CAPLUS

JP 121-245712

ORIP 121-045014, 045044

T1 Surface-treating agent containing alkylbenzimidazole compound for

copper through-hole printed circuits

Shimizu, Yoshitomo; Murai, Takayuki; Kikukawa, Yoshimasa; Hirata, Hirohiko;

Yoshida, Takashi

Shimizu Corp., Japan

Jpn. Kokai Tokkyo Koho, 21 pp.

COOPN, JKKKAP

JP Patent

Japanese

PAN, INT

PATENT NO

KIND

DATE

APPLICATION NO

DATE

JP 06191729 A 19921106 19900407 (---)

JP 1990-199224 19900407

ORIPAT 121-245712

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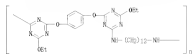
L11 INDEXER 40 OF 209 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

CN 2

CIN 123-01-9
COP 06 DE 02

BN 156295-00-9 CAPLUS

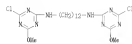
CN Poly(6-methoxy-1,3,5-triazine-2,4-diyl)oxy-1,4-phenylene(6-methoxy-1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediylimino) (ICI) (CA INDEX NAME)



BN 156590-90-4 CAPLUS

CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-methoxy-1,3,5-triazin-2-yl)-, polymer with piperazine (ICI) (CA INDEX NAME)

CN 1

CIN 121172-49-4
COP C20 IS2 C12 NS 00

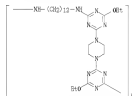
CN 2

CIN 110-85-0
COP C4 H10 NS

BN 156594-00-2 CAPLUS

CN Poly(6-methoxy-1,3,5-triazine-2,4-diyl)-1,4-piperazinediyl(6-methoxy-

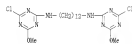
L11 INDEXER 40 OF 209 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



BN 156594-00-8 CAPLUS

CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-methoxy-1,3,5-triazin-2-yl)-, polymer with 1,2-ethanediamine (ICI) (CA INDEX NAME)

CN 1

CIN 121172-49-4
COP C20 IS2 C12 NS 00

CN 2

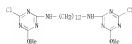
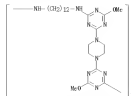
CIN 2783-17-7
COP C12 IS1 NS 00

H2N-(CH2)12-NH2

BN 156594-00-1 CAPLUS

CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-methoxy-1,3,5-triazin-2-yl)-, polymer with 1,2-ethanediamine (ICI) (CA INDEX NAME)

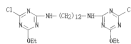
CN 1

CIN 121172-49-4
COP C20 IS2 C12 NS 00L11 INDEXER 40 OF 209 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediylimino) (ICI) (CA INDEX NAME)

BN 156594-01-5 CAPLUS

CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-methoxy-1,3,5-triazin-2-yl)-, polymer with piperazine (ICI) (CA INDEX NAME)

CN 1

CIN 126438-69-6
COP C22 IS6 C12 NS 00

CN 2

CIN 110-85-0
COP C4 H10 NS

BN 156594-00-4 CAPLUS

CN Poly(6-methoxy-1,3,5-triazine-2,4-diyl)-1,4-piperazinediyl(6-methoxy-1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediylimino) (ICI) (CA INDEX NAME)

L11 INDEXER 40 OF 209 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

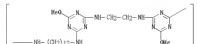
CN 2

CIN 107-15-3
COP C2 IS1 NS

H2N-CH2-CH2-NH2

BN 156594-10-6 CAPLUS

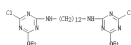
CN Poly(6-methoxy-1,3,5-triazine-2,4-diyl)imino-1,2-ethanediyliimino(6-methoxy-1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediylimino) (ICI) (CA INDEX NAME)



BN 156594-11-6 CAPLUS

CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-methoxy-1,3,5-triazin-2-yl)-, polymer with 1,2-ethanediamine (ICI) (CA INDEX NAME)

CN 1

CIN 126438-69-6
COP C22 IS6 C12 NS 00

CN 2

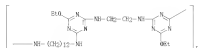
CIN 107-15-3
COP C2 IS1 NS

H2N-CH2-CH2-NH2

BN 156594-12-6 CAPLUS

CN Poly(6-methoxy-1,3,5-triazine-2,4-diyl)imino-1,2-ethanediyliimino(6-methoxy-1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediylimino) (ICI) (CA INDEX NAME)

L11 ANKER 40 09 309 CAPLUS OXYRIBIT 2008 ACS on STN (Continued)



L31 ANKER 41 09 309 CAPLUS OXYRIBIT 2008 ACS on STN

AN 1904-228974 CAPLUS

IN 130-329574

ORIP 130-401774, 601506

T1 Pharmaceutical compositions containing antihyperlipidemic or

antiartherosclerotic agents

IN Akawa, Kazuhiko; Aoki, Kenji

PA Fujii Photo Film Co., Ltd., Japan

JP Pat. Appl., 41 pp.

BT O000N 1P121W

PAFenyl

LA English

PAN INT 1

PATENT NO.	EXTD	DATE	APPLICATION NO.	DATE
P1 EP 0856065	A2	19940622	EP 1904-21284	19930129 (---)
EP 0856065	AC	19940618		
EP 0856065	B2	20020628		
JP 06009542	A	19940622	JP 1904-394122	19930310 (---)
JP 2904444	B2	19940618		
JP 06009542	A	19940622	JP 1904-34747	19930902 (---)
JP 2918706	A	19940618	JP 1904-94231	19930721 (---)
JP 1904-394122	A	19930619		
JP 1904-34747	A	19930602		

OR: MAKAT 130-228974

AB Pharmaceutical compns. containing antihyperlipidemic or antiatherosclerotic agents such as certain benzimidazole or 2,2'-methylenebis(benzimidazole) derivatives are prepared. Thus, 5-amino-2-mercaptobenzimidazole in pyridine was reacted with diiodomethyl chloride and the solution was poured into water to obtain 5-(2-iodomethyl)-2-mercaptobenzimidazole (I) crystals, which was filtered off and purified. Rabbits were fed feed having high cholesterol content and 100 mg I/kg/day for 7 days. The amount of blood total cholesterol decreased by 35% as compared by control. A capsule containing 40 mg I were formulated.

28742-12-4

RE: ROR: (Biochemical study)

ON antihyperlipidemic or antiatherosclerotic agent, pharmaceutical compn. containing

IN 28742-12-4 CAPLUS

ON 13-Benzimidazole, 2,2'-O,8-octanediylbis[5-(nitro-)-OCD] (CA INDEX NAME)

OR: ROR: (Biochemical study)

ON antihyperlipidemic or antiatherosclerotic agent, pharmaceutical compn. containing

IN 28742-12-4 CAPLUS

ON 13-Benzimidazole, 2,2'-O,8-octanediylbis[5-(nitro-)-OCD] (CA INDEX NAME)

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OR: ROR: (Biochemical study)

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OR: ROR: (Biochemical study)

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OR: ROR: (Biochemical study)

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OR: ROR: (Biochemical study)

L11 ANKER 42 09 309 CAPLUS OXYRIBIT 2008 ACS on STN

AN 1994-219522 CAPLUS

IN 130-516522

ORIP 130-517624, 51765

T1 Synthesis of nickel(II) and cobalt(II) complexes with

diastereomeric bis(benzimidazole)s

IN Saitoh, T.; Saitoh, M. I.; Kurokawa, T. S.; Matsuoka, V. V.

PA St. Petersburg City, Russia; Russia

JP Inventive Vysokh Shchitnykh Izvestiya, Khimika i Klinicheskaya

Tehnologiya (1993), 36(7), 3-5

O000N 1P121W; ISSN: 0679-2000

PAFenyl

LA English

PAN INT 1

PATENT NO. EXTD | DATE | APPLICATION NO. | DATE |P1 EP 0856065 A2 | 19940622 | EP 1904-21284 | 19930129 (---) |

EP 0856065 AC | 19940618 | | |

EP 0856065 B2 | 20020628 | | |

JP 06009542 A | 19940622 | JP 1904-394122 | 19930310 (---) |

JP 2904444 B2 | 19940618 | | |

JP 06009542 A | 19940622 | JP 1904-34747 | 19930902 (---) |

JP 2918706 A | 19940618 | JP 1904-94231 | 19930721 (---) |

JP 1904-394122 A | 19930619 | | |

JP 1904-34747 A | 19930602 | | |

OR: MAKAT 130-228974

AB Pharmaceutical compns. containing antihyperlipidemic or antiatherosclerotic agents such as certain benzimidazole or 2,2'-methylenebis(benzimidazole) derivatives are prepared. Thus, 5-amino-2-mercaptobenzimidazole in pyridine was reacted with diiodomethyl chloride and the solution was poured into water to obtain 5-(2-iodomethyl)-2-mercaptobenzimidazole (I) crystals, which was filtered off and purified. Rabbits were fed feed having high cholesterol content and 100 mg I/kg/day for 7 days. The amount of blood total cholesterol decreased by 35% as compared by control. A capsule containing 40 mg I were formulated.

28742-12-4

RE: ROR: (Biochemical study)

ON antihyperlipidemic or antiatherosclerotic agent, pharmaceutical compn. containing

IN 28742-12-4 CAPLUS

ON 13-Benzimidazole, 2,2'-O,8-octanediylbis[5-(nitro-)-OCD] (CA INDEX NAME)

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OR: ROR: (Biochemical study)

ON antihyperlipidemic or antiatherosclerotic agent, pharmaceutical compn. containing

IN 28742-12-4 CAPLUS

ON 13-Benzimidazole, 2,2'-O,8-octanediylbis[5-(nitro-)-OCD] (CA INDEX NAME)

OR: ROR: (Biochemical study)

L31 ANKER 43 09 309 CAPLUS OXYRIBIT 2008 ACS on STN

AN 1994-219522 CAPLUS

IN 130-516522

ORIP 130-517624, 51765

T1 Synthesis of nickel(II) and cobalt(II) complexes with

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IN Saitoh, T.; Saitoh, M. I.; Kurokawa, T. S.; Matsuoka, V. V.

PA St. Petersburg City, Russia; Russia

JP Inventive Vysokh Shchitnykh Izvestiya, Khimika i Klinicheskaya

Tehnologiya (1993), 36(7), 3-5

O000N 1P121W; ISSN: 0679-2000

PAFenyl

LA English

PAN INT 1

PATENT NO. EXTD | DATE | APPLICATION NO. | DATE |

P1 EP 0856065 A2 | 19940622 | EP 1904-21284 | 19930129 (---) |

EP 0856065 AC | 19940618 | | |

EP 0856065 B2 | 20020628 | | |

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JP 2918706 A | 19940618 | JP 1904-94231 | 19930721 (---) |

JP 1904-394122 A | 19930619 | | |

JP 1904-34747 A | 19930602 | | |

OR: MAKAT 130-228974

AB Pharmaceutical compns. containing antihyperlipidemic or antiatherosclerotic agents such as certain benzimidazole or 2,2'-methylenebis(benzimidazole) derivatives are prepared. Thus, 5-amino-2-mercaptobenzimidazole in pyridine was reacted with diiodomethyl chloride and the solution was poured into water to obtain 5-(2-iodomethyl)-2-mercaptobenzimidazole (I) crystals, which was filtered off and purified. Rabbits were fed feed having high cholesterol content and 100 mg I/kg/day for 7 days. The amount of blood total cholesterol decreased by 35% as compared by control. A capsule containing 40 mg I were formulated.

28742-12-4

RE: ROR: (Biochemical study)

ON antihyperlipidemic or antiatherosclerotic agent, pharmaceutical compn. containing

IN 28742-12-4 CAPLUS

ON 13-Benzimidazole, 2,2'-O,8-octanediylbis[5-(nitro-)-OCD] (CA INDEX NAME)

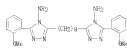
OR: ROR: (Biochemical study)

ON antihyperlipidemic or antiatherosclerotic agent, pharmaceutical compn. containing

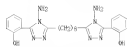
IN 28742-12-4 CAPLUS

ON 13-Benzimidazole, 2,2'-O,8-octanediylbis[5-(nitro-)-OCD] (CA INDEX NAME)

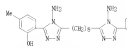
L11 ANDER 45 0P 209 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
 RN 148228-45-3 CAPLUS
 CN 6P-1,2,4,7-triazolo-4-amine, 3,3'-[1,8-octanediyl]bis[5-(2-methoxyphenyl)-



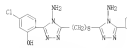
RN 148228-46-4 CAPLUS
 CN Phenyl, 2,2'-[1,8-octanediyl]bis(4-amino-6H-1,2,4-triazole-6,3-diyl)bis-



RN 148228-47-6 CAPLUS
 CN Phenyl, 2,2'-[1,8-octanediyl]bis(4-amino-6H-1,2,4-triazole-6,3-diyl)bis-

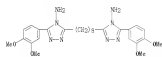


RN 148228-48-6 CAPLUS
 CN Phenyl, 2,2'-[1,8-octanediyl]bis(4-amino-6H-1,2,4-triazole-6,3-diyl)bis-

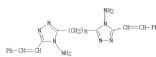


RN 148228-49-7 CAPLUS
 CN 4P-1,2,4,7-triazolo-4-amine, 3,3'-[1,8-octanediyl]bis[5-(2-phenylethynyl)-

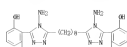
L11 ANDER 46 0P 209 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



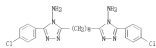
L11 ANDER 45 0P 209 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



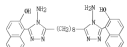
RN 148228-70-0 CAPLUS
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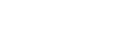
RN 148228-71-1 CAPLUS
 CN 6P-1,2,4,7-triazolo-4-amine, 3,3'-[1,8-octanediyl]bis[5-(4-chlorophenyl)-



RN 148228-72-3 CAPLUS
 CN 2-Naphthalenyl, 1,1'-[1,8-octanediyl]bis(4-amino-6H-1,2,4-triazole-6,3-



RN 148228-73-5 CAPLUS
 CN 4P-1,2,4,7-triazolo-4-amine, 3,3'-[1,8-octanediyl]bis[5-(3,4-dimethoxyphenyl)-



L11 ANDER 46 0P 209 CAPLUS COPYRIGHT 2009 ACS on STN

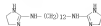
RN 1992-432638 CAPLUS
 IN 117-43636, 4810a
 TI Preparation of bis(amidino)oxalazines as agrochemical fungicides
 IN Mueller, Thomas; Zipfel, Mathias; Amermann, Bernhard; Lorenz, Gisela
 PA BACP A-6, Germany
 SO Res. Pat. Appl., 50 pp
 ODDEN: EP1200
 PT Patent
 CA German
 PUBL 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 412000	A1	19900826	EP 1901-113636	19910813 <--
EP 412000	B1	19911143		
DE 400473	B1	19900827	DE 1990-204073	19910813 <--
CA 2046379	A1	19900825	CA 1991-2046379	19910813 <--
JP 04204824	A	19900819	JP 1991-204073	19910809 <--
US 0142948	A	19900907	US 1991-703360	19910809 <--
AT 06778	A	19901116	AT 1991-112536	19910813 <--
ES 2000509	T3	19901116	ES 1991-113636	19910813 <--
US 5100539	A	19900827	US 1990-0929	19910813 <--
FR 92 1500-426642	A	19900827		
US 1991-142160	A	19910609		
EP 1991-113636	A	19910613		

QC C08B27 117-43636, 4810A1 117-43636
 AB [R1NC=NC(R2)N(CR3)NR4] [R1: R2, R3 = H, (cycloalkyl), alkaryl, allyloxyaryl, fluorenyl, etc., R4R5 = atom to form a ring, R5 = CO, O, bond, NH, etc.] were prepared. Thus, dicyclohexylcarbodiimide was condensed with [R1NC(R2)NR3]2O to give, after acidification, 1,3B1 (R1 = R2 = cyclohexyl, R3 = NH) which gave 90% control of *Plasmopara viticola* on bean plants when sprayed 8 days prior to infestation at 0.025 weight/volume.
 IT 141961-28-3P 141961-28-3P 141961-28-3P
 141961-34-0P 141961-34-0P 141961-34-0P
 RE AGF (Agricultural use), BAC (Biological activity or effector, except adjuvant), B02 (Biological study, unclassified), B03 (Genetic preparation), B06 (Biological study), B07 (Preparation), B08 (Uses) (Classification of, H) according to EPO
 RN 141961-28-3 CAPLUS
 CN 1,12-Dodecanediamine, N,N'-bis(4,6-dihydro-2H-imidazol-2-yl)- (CA INDEX NAME)



RN 141961-29-5 CAPLUS
 CN 1,12-Dodecanediamine, N,N'-bis(4,6-dihydro-2H-imidazol-2-yl)-, monohydrochloride (CA INDEX NAME)



L11 ANKER 46 06 309 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)

IN 141961-39-6 CAPLUS
CN 1,12-Dodecanediamine, N,N' -bis(4,6-dihydro-3H-imidazol-2-yl)-,
monohydrochloride (XCI) (CA INDEX NAME)



● HCl

IN 141961-31-7 CAPLUS
CN 1,12-Dodecanediamine, N,N' -bis(4,6-dihydro-3H-imidazol-2-yl)-, monoacetate
(XCI) (CA INDEX NAME)

CM 1

CIN 141961-31-7
CIP 118 824 ME



CM 2

CIN 64-19-7
CIP 12 16 ME



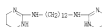
IN 141961-32-8 CAPLUS
CN 1,12-Dodecanediamine, N,N' -bis(1,4,5,6-tetrahydro-2-pyrimidinyl)- (XCI)
(CA INDEX NAME)



IN 141961-32-9 CAPLUS
CN 1,12-Dodecanediamine, N,N' -bis(1,4,5,6-tetrahydro-2-pyrimidinyl)-,
monohydrochloride (XCI) (CA INDEX NAME)

L11 ANKER 46 06 309 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)

IN 141961-32-9
CIP 120 840 ME



CM 2

CIN 144-62-7
CIP 12 12 14



L11 ANKER 46 06 309 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)



● HCl

IN 141961-34-0 CAPLUS
CN 1,12-Dodecanediamine, N,N' -bis(1,4,5,6-tetrahydro-2-pyrimidinyl)-,
hydroxide (1:2) (CA INDEX NAME)



● HI

IN 141961-35-1 CAPLUS
CN 1,12-Dodecanediamine, N,N' -bis(1,4,5,6-tetrahydro-2-pyrimidinyl)-,
monoacetate (XCI) (CA INDEX NAME)

CM 1

CIN 141961-32-9
CIP 120 840 ME



CM 2

CIN 64-19-7
CIP 12 16 ME



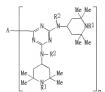
IN 141961-36-2 CAPLUS
CN 1,12-Dodecanediamine, N,N' -bis(1,4,5,6-tetrahydro-2-pyrimidinyl)-,
ethanedisulfate (1:1) (XCI) (CA INDEX NAME)

CM 1

L11 ANKER 41 06 309 CAPLUS COPYRIGHT 2009 ACS on STM

IN 1990-211698 CAPLUS
1461115888
JP 1461115888
1461115888
TI Weather resistant polyolefin-olefin rubber blends
IN Nakamura, Tetsuo; Borneo, Tens; Sagihuchi, Kenzo
PA Asahi Denso Kogyo K. K., Japan
50 Jpn. Kokai Tokkyo Koho, 10 pp.
OOBEN: JKKKAP
PT Patent
LA Japanese
FAN OPT 1

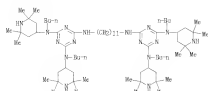
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P1 JP 63273746	A	19911206	JP 1990-74004	19900323 <--
PRAT JP 1990-74004		19900323		



AB The title blends contain 0.001-5 ph hindered amine I (A = organic group; R1 = R, alkyl, aryl, 0 = R2 = R3, alkyl, n = 2-20), 50-90 parts crystalline polyolefin, and 50-90 parts C10H18-olefin rubbers. Thus, a blend of 7.85 C10H18-C18H36 copolymer, 50, 10-35 BPE 20, additives 0.5%, and 1.6 = 100.0/20.0. R1 = H, R2 = Bu, n = 2 (II) 0.5 part but time to cracking in a Weatherometer at 90° 1100 h and yellowness index 6.3 and 8.8 after 0 and 400 h weathering, resp. vs 46% 10.4, and 16.4, resp., with bis(2,2,4,4-tetramethyl-5-pyrimidinyl) sebacate in place of II.

IT 141060-18-2
RU, USSR (Soviet)
(light stabilizers, for polyolefin blends with olefin rubbers)
IN 141060-18-3 CAPLUS
CN 1,3,5-Triazine-2,4,6-triazine, N,N' -[1,1'-undecanedithiobis(N,N' -diethyl-1,3,5-triazine-2,4,6-triazine-5-yl-piperidinyl)]- (XCI) (CA INDEX NAME)

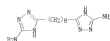
L11 ANKER 47 OF 309 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L11 ANKER 48 OF 309 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1992-174870 CAPLUS
 DP 116-174570
 GRFP 116-250524,25052a
 T1 Synthesis and study of oligomers of bis(5-amino-1,2,4-triazolyl)alkanes
 AU (Shenavkin, A. I.; Gromov, S. A.; Kanatkhova, B. L.; Bannin, M. I.
 CS Letovsk. Inst. Khim. Lepol. Priro., Leningrad, USSR
 SO Izvestiya Vsesoyuznogo Khimicheskogo Obshchestva, Khimika i Khimicheskaya Tekhnologiya (1991), 34(11), 100-9
 ODRN: VIKAB; ISSN: 0079-229X
 DT Journal
 LA Russian
 AB Oligomeric polyamides from adipoyl chloride or terephthaloyl chloride and 1,5,4-triazole diamines were prepared by low-temperature azeotropic polymerization at the interface and were characterized. Physicochem. properties were investigated. The reasons for low mol. weight were discussed
 IT 140019-46-9 CAPLUS-26-17
 RL PREP (Preparation), SYN (Synthetic preparation), PREP (Preparation)
 IN 140019-46-9 CAPLUS
 CN 1,4-benzodiazepine-2-carboxylic acid polymer with 5,5'-[1,8-octanedithiyl]bis[1H-1,2,4-triazol-3-amine] (ICI) (CA INDEX NAME)

CH 1
 CEN 26002-44-4
 CIP C12 SSC M6

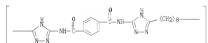


CH 2
 CEN 100-21-0
 CIP C9 HF 04



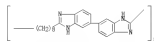
IN 140019-50-1 CAPLUS
 CN Poly[1H-1,2,4-triazole-3,5-diylmethyl-1,4-phenylenebis(5-amino-1H-1,2,4-triazol-3-yl-1,8-octanedithiyl)] (ICI) (CA INDEX NAME)

L11 ANKER 48 OF 309 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

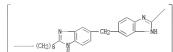


L11 ANKER 49 OF 309 CAPLUS COPYRIGHT 2009 ACS on STN

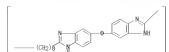
AN 1991-247894 CAPLUS
 DP 114-247894
 GRFP 114-41885a,41886a
 T1 The synthesis and investigation of thermally soluble polybenzoxazoles
 AU (Ismayev, A. A.; Yezov, J. I.; Mamonovskaya, G. P.; Novak, S. S.
 CS Mamonovskii, V. P.; Mamonov, D. M.; Rudneva, L. D
 SO Dokl. Akad. Nauk, SSSR, 470(4), 128-30
 ODRN: RSCNPT; ISSN: 0013-788X
 DT Journal
 LA English
 AB Poly(benzimidazoles) and poly(ambenzimidazoles) produced from different terephthalic, di-ortho-dichlorobenzoic, and 4-aminobenzoic acid diamines were investigated. 3,3'-diaminobenzidine or aromatic tetramines containing methylene, ethyl, or sulfonol groups between the benzene rings were used in the synthesis. The polymers obtained were thermally stable, soluble, and had high mp., etc.
 IT 25003-45-9 CAPLUS-71-2P 52003-18-4P
 RL SYN (Synthetic preparation), PREP (Preparation)
 IN 25003-45-9 CAPLUS
 CN Poly[5,5'-bi-1H-benzimidazole-2,2'-diyl-1,8-octanedithiyl] (CA INDEX NAME)



IN 31859-71-2 CAPLUS
 CN Poly[1H-benzimidazole-2,5-diylmethylene-1H-benzimidazole-5,2-diyl-1,8-octanedithiyl] (ICI) (CA INDEX NAME)



IN 52003-18-9 CAPLUS
 CN Poly[1H-benzimidazole-2,5-diylmethylene-1H-benzimidazole-5,2-diyl-1,8-octanedithiyl] (ICI) (CA INDEX NAME)



L11 ANKER 51 OF 309 CAPLUS CONFIDENT 2009 ACS on STM
 AB 1991-82775 CAPLUS
 IN 114-82775
 QMR 114-141574,141604
 TI A process for the preparation of triazine group-containing polymers
 IN Romanici, Roberto; Tornatore, Massimo; Chappo, Larry Lawrence
 CA Rhemt Italia S.p.A., Italy
 SO Bus Pat. Appl. 6 p 0
 COORD 17/12/08
 JP Patent
 LA 1141574
 FAN CN

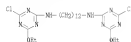
PATENT NO.	INDEX	DATE	APPLICATION NO.	DATE
FI 0206017	A2	19990606	RP 1999-047300	19990122 C--
JP 1550117	A2	19990607		
CA 2306123	CL, DL, EL, FL, GL, HL, IL, LL, NL, OL	19990608	CA 1999-2006123	19990123 C--
US 6006022	A	19991129	US 1999-363	19990125 C--
AT 4645164	A	19990602	AT 1999-05164	19990126 C--
AU 625540	A	19990602		
EP 0422259	A	19990111	EP 1999-13745	19990124 C--
FI 119919165	A	19990602		

AB The title polymers, which can be prepared in 900 s (polymerization time) and have an amorphous structure, are prepared without causing a collapse in the mol. weight by condensing difunctional triazine derivative, with 2 equivs. of 7,1-diamine. Thus, heating 38.5 g of 2,4-bis(hydroxy-6-ethoxy-1,3,5-triazine), 40.0 g of 5,12-dodecanediamine, and 400 mL of toluene to 100°C for 0.5 h under N₂ adding 20.2 g of 1,6-chlorohexane, heating to 150°C with stirring under N₂ for 10 min, precipitating by the addition of 40 mL of H₂O, drying at 120°C for 16 h gave an amorphous (x-ray diffraction spectral) polymer showing inherent viscosity 0.6 dL/g and glass-transition temperature 50°C.

IT 120608-49-42
 RE 1206 (Industrial manufacture); PREP (Preparation)
 (named of), anonymous, in less than 1 h (polymerization time)
 IN 120608-49-4 CAPLUS
 CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)-
 polymer with 1,12-dodecanediamine and 1,6-hexanedithione (GCI) (CA INDEX NAME)

CM 1

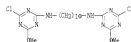
CN 126429-48-6
 CDF C25 H46 Cl2 N8 O6



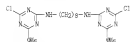
CM 2

CN 2783-17-1
 CDF C12 H24 N2

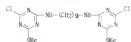
L11 ANKER 51 OF 309 CAPLUS CONFIDENT 2009 ACS on STM
 AB 1991-82756 CAPLUS
 IN 114-82756
 QMR 114-90014,90044
 TI The synthesis and characterization of a new class of liquid crystals based on bis-triazine compounds
 AU Romanici, R.; Tornatore, M.; Chappo, L. L.
 CA EMMT Italia, Novara, 28100, Italy
 SO Liquid Crystals (1990), 5(6), 797-96
 COORD 11/03/90, ISSN 0047-036X
 JP Journal
 LA Sicilano
 AB The synthesis and characterization of a new class of liquid crystals based on sym. bis-triazine rings connected by a flexible alkyl spacer is reported. A mechanism to account for the liquid-crystallinity in this system is proposed. Five kinetics for the formation of the mesophase from the isotropic phase and the crystalline phase from the mesophase make the melting transitions virtually irreversible. Potential areas of application are identified.
 IT 121172-47-2 121172-47-2 CAPLUS
 121172-49-49 126429-48-6
 RE PREP (Preparation), SYN (Synthetic preparation), PREP (Preparation)
 CN Liquid crystal, preparation and transition temps. of
 IN 121172-47-2 CAPLUS
 CN 1,10-Dodecanediamine, N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)- (GCI) (CA INDEX NAME)



IN 121172-47-2 CAPLUS
 CN 1,6-Hexanediamine, N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)- (GCI) (CA INDEX NAME)



IN 121172-48-3 CAPLUS
 CN 1,9-Nonanediamine, N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)- (GCI) (CA INDEX NAME)



IN 121172-49-4 CAPLUS
 CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)- (GCI) (CA INDEX NAME)

L11 ANKER 50 OF 309 CAPLUS CONFIDENT 2009 ACS on STM (Continued)
 IN-N-(CH₂)₁₂-NH₂

CM 5

CN 124-00-4
 CDF C10 H14 N2

IN-N-(CH₂)₆-NH₂

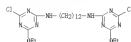
IT 126429-48-6
 RE 1206 (Industrial manufacture), PREP (Preparation), RACT (Reaction or reaction)
 IN 126429-48-6 CAPLUS
 CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)- (GCI) (CA INDEX NAME)



L11 ANKER 51 OF 309 CAPLUS CONFIDENT 2009 ACS on STM (Continued)



IN 126429-48-6 CAPLUS
 CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)- (GCI) (CA INDEX NAME)



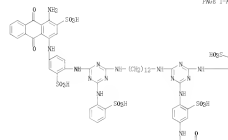
L11 ANKER S2 QP 399 CAPLUS COPENRIGHT 2009 ACS on STN
AK 1991-38174 CAPLUS
IN 115-38174
ORIP 114-45914,45916

T1 Complications encountered using Chitosan B16 PDS-A as a ligand for
affinity precipitation of lactate dehydrogenase
Merris, John E. J. *Enzyme*, Vol. 8
CS Des. Chem. Eng., Univ. Washington, Seattle, WA, 98196, USA
SP Biotechnology and Bioengineering (1999), 26(7), 757-63
ORIP 114-45914,45916

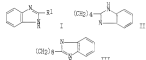
AB The use of the affinity interaction between Chitosan B16 PDS-A (CB) and
NADH-dependent enzymes to selectively precipitate these enzymes has been examined.
An attempt was made to form crosslinked gels of lactate dehydrogenase
(LDH) using bar- and poly-GB conjugates. When precipitation was not observed, an
examination of the interaction between the enzyme and the conjugated GB was
made. Characteristic 1960 scattering indicated only a slight radius
increase, the greatest being from 50 to 150 Å. When a GB-dextran
conjugate was added to a solution of LDH, and to increase when the GB was made
with a 1,6-diaminobenzene spacer was added to a similar solution. The results
of enzyme inhibition studies showed that conjugated GB bound at the NADH
site of LDH. Spectral measurements of the conjugated GB bound at the NADH
site of LDH were similar to those reported for a stacking interaction that occurs in
solutions with GB contents above 5 mM. It was concluded that the
conjugated GB is hydrophobic to the LDH, but that a competing dye stacking
interaction prevents extensive crosslinking of the LDH, and thus inhibits
precipitation.

IT 021494-14-1
E: SUD, G. (university study)
AB Lactate dehydrogenase inhibition by
IN 151046-14-1 CAPLUS
ORIP 114-45914,45916
CS 2-Amino-2,6-dimethyl-4,6,8-trimethyl-1,3,5-triazine-2,4,6-trimethyl-4,6-
phenylene(mine),1,3,5-triazine-2,4,6-trimethyl-4,6-dimethyl-4,6-dimethyl-4,6-
phenylene(mine),1,3,5-triazine-2,4,6-trimethyl-4,6-dimethyl-4,6-dimethyl-4,6-
phenylene(mine),1,3,5-triazine-2,4,6-trimethyl-4,6-dimethyl-4,6-dimethyl-4,6-
phenylene(mine)

PAGE 1-A

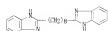


L11 ANKER S2 QP 399 CAPLUS COPENRIGHT 2009 ACS on STN
AK 1990-09000 CAPLUS
IN 115-09000
ORIP 114-45914,45916
T1 Inhibition of acid corrosion of steel by benzimidazole derivatives of
different structures
AB Gerasimov, A. Yu., Chern, A. B., Vozolzhenskaya, N. N., Morozova, T. L.
CS Gerasimov, A. Yu., Chern, A. B., Vozolzhenskaya, N. N., Morozova, T. L.
SP Inhibitors of Metallog. (1990), 26(4), 665-7
ORIP 114-45914,45916
E: Gerasimov, A. Yu., Chern, A. B., Vozolzhenskaya, N. N., Morozova, T. L.
RU Russian



AB In connection with the use of substituted benzimidazoles as inhibitors of
acid corrosion of steel, (e.g. ST, ST) attention was turned to the
structural factors determining the insolubility of the inhibitors and
easily varying way to a change: the length of the alkyl chain in the
position 2 of the heterocycle, the presence in it of branching,
the presence and the nature of substituents at the N(1) atom, the number of
heterocyclic rings in an aliphatic chain and other characteristics for the
evaluation of which this work is reported. The protective effects were
studied of substituted benzimidazoles of the general formula I, where R
is H, Me, CH₃CH₂, CH₃CH₂CH₂, CH₃CH₂CH₂CH₂, CH₃CH₂CH₂CH₂CH₂, CH₃CH₂CH₂CH₂CH₂CH₂,
n-C₁₂H₂₅, n-C₁₈H₃₉, C₁₂H₂₅CH₂, C₁₈H₃₉CH₂, H or H₂. Corrosion tests of
the St-3 samples were conducted in 0.01N HCl with and without a
given concentration of the inhibitor compound at 20 °C for 24 h. In all the
studied cases, the substitution of a H atom at the N of the benzimidazole
by an alkyl group led to a significant increase in the inhibition efficiency.

IT 0212-14-1
E: RUSS (Gos)
AB Corrosion inhibitors for steel in ethanolic hydrochloric acid solution
IN 0212-14-1 CAPLUS
ORIP 114-45914,45916
CS 12-Benzimidazole, 2,2'-(1,8-octanediyl)bis- (CA INDEX NAME)



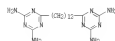
L11 ANKER S2 QP 399 CAPLUS COPENRIGHT 2009 ACS on STN (Continued)

PAGE 1-B



L11 ANKER S2 QP 399 CAPLUS COPENRIGHT 2009 ACS on STN
AK 1990-47918 CAPLUS
IN 115-47918
ORIP 114-45914,45916
T1 Stabilization of aqueous formaldehyde solutions with guanamine derivatives
AB Berlin, Peter; Transer, Martin
CS Berlin, Peter; Transer, Martin
SP Germany A-G, Germany
ORIP 114-45914,45916
E: Berlin, Peter; Transer, Martin
DE German

IT 0212-14-1
E: RUSS (Gos)
AB Corrosion inhibitors for steel in ethanolic hydrochloric acid solution
IN 0212-14-1 CAPLUS
ORIP 114-45914,45916
CS 12-Benzimidazole, 2,2'-(1,8-octanediyl)bis- (CA INDEX NAME)



L11 NUMBER 15 OF 209 CAPLUS OFFRIGHT 2009 ACS on STN
 AN 1900 190242 CAPLUS
 IN 117 190242
 ORIP 117-335146,33515a
 T1 Synthesis of thiosemicarbazides, triazines, thioamides and malonamides
 A2 Mayer, A. M.
 CW Chem. Rev., Indian Inst. Res. Inst., Bombay, 854 004, India
 US Current Science (1989), 1989(17), 1198-200
 ORIP 1989 1989AM, ISSN 0011-9981
 JF Journal
 LA English
 CI



AS Thiosemicarbazides (PANC-3)NHC(=O)CH2CH2NHNH(S)NH2 (I; n = 5-6) were prepared by the reaction of 2NHNH(=O)CH2CH2NHNH(S)NH2 with PANC-3. Cyclization of I (n = 5-6) with NaOH gave triazines II (R = SH, X = NH).
 Thioamides III (R = NH2, X = S, n = 5-6) were obtained by the cyclization of I (n = 5-6) with concentrated H2SO4. Cyclization of I with 4N NaOH in MeOH followed by treatment with iodine in aqueous KI gave malonamides IV (R = SH, X = O, n = 5-6).

IT 27249-19-SP
 RE .JPN (Synthetic preparation) PRIP (Preparation)
 (Preparation n5)
 IN 27249-19-3 CAPLUS
 CN 27249-19-3 triazine-9-thione, 5,6'-[1,3,6-octadiazyl]bis(2,4-dihydro-4-phenyl-1,3,4-dioxal-2-one) (CA INDEX NAME)



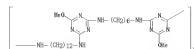
L31 NUMBER 16 OF 209 CAPLUS OFFRIGHT 2009 ACS on STN
 AN 1900 190208 CAPLUS
 IN 117 190208
 ORIP 117-335074,33509a
 T1 Liquid-crystalline, thermotropic polymers of di-2-triazines
 IN Fernandez, Roberto; Tornatore, Massimo; Chapiro, Larry Lawrence
 OR IP Rome Univ. La Sapienza, Italy
 US Soc. Pat. Appl., 5-10
 ORIP 1989 1989AM
 JF Patent
 LA English
 PAN CN1

PATENT NO.	CLASS	KIND	DATE	APPLICATION NO.	DATE
FI	EP 531135	A1	1989-06-08	EP 1989-104492	1990-01-14 (---)
	DE, ES, FR, GB, NL, SE				
DE	6901015	A	1990-02-15	DE 1989-523634	1990-01-10 (---)
JP	63-084125	A	1988-04-26	JP 1989-63-0401	1990-01-24 (---)
FRAL	IT 1989-41004	A	1989-04-14		
CI					



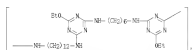
AS The title polymers are prepared by the polycondensation of di-triazines I (R = Cl-6 alkyl; X = halogen, n = 5-50) with copolymerizable monomers. Thus, heating N,N'-bis(2-chloro-6-ethoxy-1,3,5-triazin-1,1,2-triazinylidene)-2,4,6,1,1,2-diaminododecane, 1,3,5-triazine-2,4,6-triylidene, and Na2CO3 in 60 ml. xylene at 150° for 60 h under N2 gave a polymer having glass transition temperature 50°, intrinsic viscosity 0.1 g/dl in DMF at 30°, and optical anisotropy in molten state.

IT 126234-47-4P 126234-48-4P 126234-49-4P
 126234-50-4P 126428-49-4P 126428-50-4P
 RE .JPN (Preparation)
 (Preparation of liquid crystalline thermotropic)
 IN 126234-47-4 CAPLUS
 CN Poly(6-ethoxy-1,3,5-triazine-2,4-diyl)bis(1,6-hexadecylamino(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediyimino) (CA INDEX NAME)

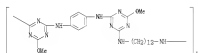


IN 126234-48-9 CAPLUS
 CN Poly(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,6-hexadecylamino(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediyimino) (CA INDEX NAME)

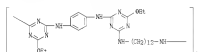
L11 NUMBER 16 OF 209 CAPLUS OFFRIGHT 2009 ACS on STN (Continued)



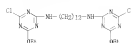
IN 126234-49-9 CAPLUS
 CN Poly(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,4-phenyleneimino(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediyimino) (CA INDEX NAME)



IN 126234-49-9 CAPLUS
 CN Poly(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,6-phenyleneimino(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,12-dodecanediyimino) (CA INDEX NAME)



IN 126428-49-7 CAPLUS
 CN 1,12-Dodecanediamine, N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)-, polymer with 1,12-dodecanediamine (CA INDEX NAME)
 CN 126428-48-6
 CNF C22 126 C12 N9 00



CA 2

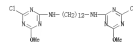
L11 NUMBER 16 OF 209 CAPLUS OFFRIGHT 2009 ACS on STN (Continued)

CN 2728-17-1

CN 2728-17-1

IN (CH2)12-NH2

IN 126428-54-4 CAPLUS
 CN Poly(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,4-benzenediamine, polymer with N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)-1,12-dodecanediamine (CA INDEX NAME)
 CN 1
 CNF 12117-49-4
 CNF C20 502 C12 N9 00



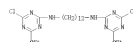
CA 2

CN 106-50-3

CN 106-50-3

IN (CH2)12-NH2

IN 126428-55-5 CAPLUS
 CN Poly(6-ethoxy-1,3,5-triazine-2,4-diyl)imino-1,4-benzenediamine, polymer with N,N'-bis(4-chloro-6-ethoxy-1,3,5-triazin-2-yl)-1,12-dodecanediamine (CA INDEX NAME)
 CN 1
 CNF 126428-48-6
 CNF C22 126 C12 N9 00



CA 2

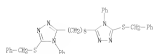
CN 106-50-3

CN 106-50-3

L11 ANDER 40 4P 309 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



11 14067-13-4P
 RE ACT (Secretant), SPN (Synthetic preparation), PREP (Preparation), RACT (Secretant or reagent)
 (Preparation and oxidation of)
 IN 14067-13-4 CAPLUS
 CN 4P-1,3,5-Triazole, 3,3'-[1,8-octanediyl]bis[4-phenyl-5-(phenylmethyl)thio]- (CA INDEX NAME)



12 64288-83-4P 14067-14-4P 114067-15-4P
 RE 14067-15-4P
 RE SPN (Synthetic preparation), PREP (Preparation)
 (Preparation of)
 IN 64288-83-9 CAPLUS
 CN 4P-1,3,5-Triazole, 3,3'-[1,8-octanediyl]bis[5-(2,4-dinitrophenyl)thio]-4-phenyl- (CA INDEX NAME)
 IN 14067-14-4 CAPLUS
 CN 4P-1,3,5-Triazole, 3,3'-[1,8-octanediyl]bis[4-(4-methylphenyl)-5-(phenylmethyl)thio]- (CA INDEX NAME)

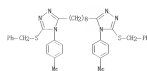
L11 ANDER 41 4P 309 CAPLUS COPYRIGHT 2009 ACS on STN
 IN 1967-00674P CAPLUS
 IN 100106267
 IN 100117156, 17156A
 QREP 100117156, 17156A
 TI Silver halide photographic photosensitive material
 IN Senba, Hideto, Ono, Shigeru, Nakamura, Takemura
 PA Fuji Photo Film Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 55 JP
 COGEN JKKAP
 PT Patent
 JA Japanese
 PUN OUT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61000248	A	19870615	JP 1985-144390	19850700 (---)
JP 1985-144390		19850600		

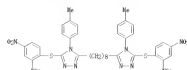
AB The claimed photosensitive material contains a photosensitive Ag halide emulsion and an internally exposed Ag halide emulsion, on surface of which a compound of the formula A2B, A, B = heterocyclic having SH or emulsifiable thione group (= linkage group) is attached. The photosensitive material shows high sensitivity, high contrast, and high Dmax. The photosensitive material also shows excellent antistatic processability and storage stability.
 IT 72343-75-5P
 RE PREP (Preparation)
 (Preparation of as photog. fog inhibitor)
 IN 72343-75-5 CAPLUS
 CN 200-1,3,4-Triazole-5-thione, 5,5'-[1,8-octanediyl]bis[2,4-dihydro-6-phenyl- (CA INDEX NAME)]



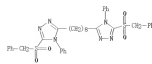
L11 ANDER 40 4P 309 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



IN 14067-15-4 CAPLUS
 CN 4P-1,3,5-Triazole, 3,3'-[1,8-octanediyl]bis[5-(2,4-dinitrophenyl)thio]-4-(4-methylphenyl)- (CA INDEX NAME)



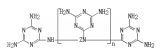
IN 14067-15-4 CAPLUS
 CN 4P-1,3,5-Triazole, 3,3'-[1,8-octanediyl]bis[4-phenyl-5-(phenylmethyl)thio] (CA INDEX NAME)



IN 14067-14-4 CAPLUS
 CN 4P-1,3,5-Triazole, 3,3'-[1,8-octanediyl]bis[4-(4-methylphenyl)-5-(phenylmethyl)thio]- (CA INDEX NAME)

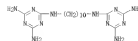
L11 ANDER 41 4P 309 CAPLUS COPYRIGHT 2009 ACS on STN
 IN 1967-03424P CAPLUS
 IN 100104241
 QREP 100104241, 4110A
 TI Polyolefin compositions
 IN Waseda, Toshio, Nishida, Takao
 PA Asaka Argon Chemical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 JP
 COGEN JKKAP
 PT Patent
 JA Japanese
 PUN OUT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61223233	A	19860607	JP 1985-063990	19850619 (---)
JP 60044498	B	19860812		
JP 1985-063990		19850829		



AB Polyolefin composites with good stability against heavy metals contain 0.001-10 parts by weight of a compound 1 (Z = C1-15 hydrocarbon; n = 0-5) (vs. 100 parts polyolefin). Thus, 100 parts Mirakon 2838 (low-density polyethylene) was mixed with bisphenol A, 0.1 phosphenite 0.1, and ethylenediamine (11) 0.15 part, kneaded at 160°C for 5 min, then pressed at 160°C and 200 atm for 3 min to obtain 0.5-mm sheets. A Cu net was sandwiched between a pair of these sheets, then pressed at 160°C and 200 atm for 5 min to obtain a test specimen, which showed induction period before degradation 430 h. vs. 260 h for a composition without II.
 RE 78243-29-5
 RE USE (Use)
 (Solvent-free composition, for good stability against heavy metals)

IN 78243-29-5 CAPLUS
 CN 1,3,5-Triazine-2,4,6-triazine, N,N'-1,10-decanediylbis- (CA INDEX NAME)



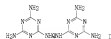
L11 NUMBER TO OF 309 CAPLUS CONFIDENT 2008 ACS on STN
 AN 1995-472156 CAPLUS
 IP 190-72156
 QRP 190-116256, 116258
 IT Triazine adducts
 PA The Industries, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 OO OOSU TOKYO
 JP Patent
 LA Japanese
 PAK CH
 PATENT NO. KIND DATE APPLICATION NO. DATE
 FI JP 60064963 A 19946002 JP 1993-162634 19930906 C--
 PRAT JP 1992-464614 S 1992101
 GI 19930906



AS Adducts of 1 mol I (Q = C-12 hydroxyethyl) and 1 or 2 mol cyanuric acid (II) and/or isocyanuric acid (III), flame retardants for thermoplastic resins, are prepared by mixing aqueous soln. or dispersions of I (50)mporal acid salts with aqueous soln. or dispersions of (IIa) salt of II and/or III. Thus, aqueous dispersion of ethylenediamine hydrochloride was mixed with an aqueous dispersion of cyanuric acid monohydrate salt to precipitate a 1:1 M adduct (IV) [20479-15-1] of ethylenediamine and II. An injection molding prepared from nylon 6 (2500-34-4) 94, IV 6, and carbon black 0.5 part had flame retardance (UL-94) V-0 and no bleeding out after 10 days at 100° and 85% relative humidity.
 IT 20479-15-1
 R- (US) (US)
 (fluorocuring agents, for nylon 6)
 RW 20479-15-1 CAPLUS
 CH 1,3,5-Triazin-2,4,6-(1H,3H)-trione, compd. with N,N'-1,12-dodecanediyldibis(1,3,5-triazin-2,4,6-triamine) (II) (ICI) (CA INDEX NAME)
 CH 1
 CN 61912-28-5
 CF 118 824 302



L11 NUMBER TO OF 309 CAPLUS CONFIDENT 2008 ACS on STN
 AN 1995-232091 CAPLUS
 IP 190-152091
 QRP 190-107356, 107358
 IT Triazine adducts
 PA The Industries, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 OO OOSU TOKYO
 JP Patent
 LA Japanese
 PAK CH
 PATENT NO. KIND DATE APPLICATION NO. DATE
 FI JP 59164965 A 19941823 JP 1993-59068 19930407 C--
 PRAT JP 1992-464614 S 1992101
 GI 19931228 C--
 FI 5946512 A 19910606 US 1993-668196 19931228 C--
 PRAT JP 1992-537979 A 19910606 US 1993-776104 19931101 C--
 GI JP 1993-59068 A 19930407
 19931228



AS Triazine adducts were prepared by reaction of triazine comds. I (Q = C5H5N2, C5H5N2, C5H5N2) with cyanuric acid (II) or isocyanuric acid. The adducts so prepared are useful as flame-retarding agents for thermally stable resins. Thus, a mixture of 800 g of I (Q = 27.8 g (10 = C5H5N2) (II), and 12.0 g of II was stirred 10 h at 100° to give 60.2 g of I:1 M adduct of 17-111.
 IT 61912-28-5
 R- (US) (US)
 (addition of, with cyanuric acid)
 RW 61912-28-5 CAPLUS
 CH 1,3,5-Triazin-2,4,6-triamine, N,N'-1,12-dodecanediyldibis- (ICI) (CA INDEX NAME)
 CH 1
 CN 61912-28-5
 CF 118 824 302

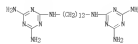


IT 20479-15-1
 R- (US) Synthetic preparation (PSP) (Preparation)
 preparation of, for flame retardant
 RW 20479-15-1 CAPLUS
 CH 1,3,5-Triazin-2,4,6-(1H,3H)-trione, compd. with N,N'-1,12-dodecanediyldibis(1,3,5-triazin-2,4,6-triamine) (II) (ICI) (CA INDEX NAME)
 CH 1
 CN 61912-28-5
 CF 118 824 302

L11 NUMBER TO OF 309 CAPLUS CONFIDENT 2008 ACS on STN (Continued)
 CH 2
 CN 106-80-5
 CF 118 824 302



L11 NUMBER TO OF 309 CAPLUS CONFIDENT 2008 ACS on STN (Continued)



CH 2
 CN 106-80-5
 CF 118 824 302



L11 NUMBER 73 OF 309 CAPLUS COMFREIGHT 2008 ACS on STN
AN 1965-6550 CAPLUS
IN 140-6550

ORIP 102-1191a, 1194a
T1 Adducts of triazine compounds and cyanoacetic acid
PA The Industries, Ltd.; Japan
DO Jpn. Kokai Tokkyo Koho, 8 pp.
IT JPO/NTT/CIJAP

PT Patent
LA Japanese
PAC OK

PATENT NO	KIND	DATE	APPLICATION NO	DATE
FI 12 69123479	A	199406074	JP 1992-227979	19931228 <-
12 69163548	B	199601172		
12 69161454	A	199606064	US 1993-566196	19931228 <-
12 69162512	A	19970606	US 1993-774904	19931101 <-
PRAT 12 1992-227979	A	19921129		
12 1992-29958	A	19930609		
12 1992-686186	AS	19931129		
01 CASREAC 140-6550; MARPAT 140-6550				



AS Adducts of triazine comds 1 (n = 2 or 10) and cyanoacetic acid (II) were prepared and used as flame-retardant polyimide composites. Thus, 6.45 g II was added to 12.9 g 1 in 10 ml MeCN at 100° and the mixture stirred 50 min at 100° to precipitate 18.5 g (1:1 (n = 2) adduct.

II

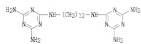
RE SYN (Synthetic preparation); PREP (Preparation)

ORIP 102-91-9 CAPLUS

OR 1,3,5-triazine-2,4,6-triamine, comd, with N,N'-[1,10-bis-(methoxyimino)-5,6-triazine-2,4,6-triamine] (CI1) (CI1) (CA INDEX NAME)

OR 1

OR 61912-28-8
OR 118-854-N12



OR 2

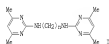
L11 NUMBER 73 OF 309 CAPLUS COMFREIGHT 2008 ACS on STN
AN 1964-69382 CAPLUS
IN 140-69382

ORIP 102-19067A, 29070a
T1 Methods for obtaining bisaminoimidines bridged by a polymethylene chain
CA Benoit, Gabriel; Huard-Mahery, Michel
J Soc. Phys. Chim., Ind. Chén. Paris, 78(2), Pt. 2
99 Journal of Heterocyclic Chemistry (1994), 27(1), 209-13

PT Patent
LA French
PAC OK

OR CASREAC 101-19382

01



AS NG(1, N(2'))-aralkandylbis(2-aminoimidines) e.g. 1 (n = 3, 4, 6, 8) are the acid products obtained by condensation of several polyethylene bisaminoimidines on Bt ethoxymethylbenzoxazole.

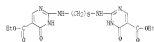
ORIP 102-19067A, 29070a
T1 Methods for obtaining bisaminoimidines bridged by a polymethylene chain

CA Benoit, Gabriel; Huard-Mahery, Michel
J Soc. Phys. Chim., Ind. Chén. Paris, 78(2), Pt. 2
99 Journal of Heterocyclic Chemistry (1994), 27(1), 209-13

PT Patent
LA French
PAC OK

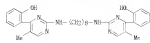
OR CASREAC 101-19382

01



OR 82736-16-8 CAPLUS

OR Benzyl, 2,2'-(1,8-octanedyl)bis[imino(5-methyl-2,4-pyrimidinyl)]bis- (CI1) (CA INDEX NAME)



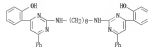
OR 82736-20-4 CAPLUS

OR Benzyl, 2,2'-(1,8-octanedyl)bis[imino(5-methyl-2,4-pyrimidinyl)]bis- (CI1) (CA INDEX NAME)

L11 NUMBER 73 OF 309 CAPLUS COMFREIGHT 2008 ACS on STN (Continued)
OR 106-80-5
OR 12-85-N10

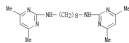


L11 NUMBER 73 OF 309 CAPLUS COMFREIGHT 2008 ACS on STN (Continued)



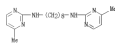
OR 82736-24-8 CAPLUS

OR 1,8-Octanediamine, N,N'-bis(4,6-dimethyl-2-pyrimidinyl)- (CI1) (CA INDEX NAME)



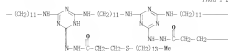
OR 82736-28-2 CAPLUS

OR 1,8-Octanediamine, N,N'-bis(4-methyl-2-pyrimidinyl)- (CI1) (CA INDEX NAME)

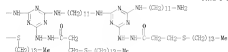


L11 ANKER 77 0F 209 CAPLUS CONFRIGHT 2009 ACS on STN (Continued)

PAGE 3-B

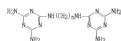


PAGE 3-C



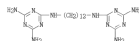
L11 ANKER 78 0F 209 CAPLUS CONFRIGHT 2009 ACS on STN
 AN 1983-434436 CAPLUS
 DE 99214256
 GRSP 9929423, 29424
 IT Biomechanics
 IN Weile, Peter; Rucker, Holger; Popp, Klaus; Merck, Wolfgang
 JA Beyens, A. G.; Fed. Rep. Ger.
 SO Ger. Offen. 11 109
 OTHER GREEN
 DT Patent
 LA German
 PAN CNT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI DE 3145260	A1	19850611	DE 1981-3145260	19811106
JP 65106074	A	19850907	JP 1982-150017	19831101
SE 6102463	A	19850909	SE 1983-010549	19831101
HK 9204972	A	19850909	HK 1983-0477	19831105
EP 29027	A2	19850918	EP 1983-110136	19831106
EP 29027	A3	19860821		19831106
EP 29027		19861029		
E AT, BE, CH, DE, FR, GB, IL, NL, SE				
AT 27374		19861115	AT 1982-110136	19831106
FRAT DE 1981-514290	A	19811106		
EP 1983-150116	A	19821106		
OE MAURIT 9929423				
GI				



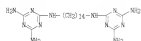
AB The preparation of alkenylmelamines I (n = 11-16) is described. The I are useful as stabilizers for aqueous H2O2 (10-90 wt) solns. Thus, I (n = 12) [4-(9E)-2H-3 is prepared from (9E)-2H-3 and 2,6-bis(2-amino-5-nitrophenyl)quinazolin-4(3H)-one (3,4-diamino-6-chloro-2-triazine [3297-67-4]). An aqueous solution containing 80% H2O, 10% I, and 10% (n = 12) 0.05M was stable for 60 days at 55°.

IT 4712-28-3 H2O2-30-3
 RE: PREP (Preparation)
 CN 4712-28-3 CAPLUS
 CN 1,5,5-Triazine-2,4,6-triamine, N,N''-1,12-dodecanediylbis- (OCT) 6CA (INDEX NAME)

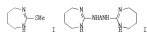


IN H2O2-30-3 CAPLUS
 CN 1,5,5-Triazine-2,4,6-triamine, N,N''-1,12-tetradecanediylbis- (OCT) 6CA (INDEX NAME)

L11 ANKER 78 0F 209 CAPLUS CONFRIGHT 2009 ACS on STN (Continued)



L11 ANKER 78 0F 209 CAPLUS CONFRIGHT 2009 ACS on STN
 AN 1983-215274 CAPLUS
 DE 96215514
 GRSP 96273761a, 327761a
 IT Morphoterocoles. Part II. Synthesis and bacteriostatic activity of 4,4'-bis(methylpiperidinyl)- and 3,3'-bis(methylpiperidinyl)metanodiaz, 5,6,7-tetrahydro-1,5-diazepine Iodide)
 AU Borodell, A. I.; Nazzari, E. I.; Luk, yam-m, N. G.; Komp, J. P.;
 Kirichenko, T. I.; Afanas'eva, T. A.; Puchkov, B. G.
 CS Fik. Zdr. Inst., Moscow, USSR
 SO Dzhukher-farmatsveticheskii Zhurnal (1983), 17(3), 300-15
 OTHER RUSSIAN 3238 0023-1134
 DT Journal
 LA Russian
 PAN



AB Reaction of I-HI with the appropriate diamine gave II [A = (CH2)n (n = 2-4, 6, 8), (CH2CH2O)mCH2CH2 (n = 1-3)]. Min bacteriostatic doses of II were determined

IT H2O1-40-30
 RE: SYN (Synthetic preparation), PREP (Preparation)
 CN H2O1-40-3 CAPLUS
 CN 1,6-tetrazepine, N,N'-bis(4,5,6,7-tetrahydro-1H-1,3-diazepin-2-yl)-, dihydroiodide (HCl) (A INDEX NAME)



● HI

L11 ANKER 50 00 309 CAPLUS COPYRIGHT 2006 ACS on STN

AK 1962-163676 CAPLUS

IN 36-153573

ORIP 36-242676-393016

T1 Polyalkylbenzimidazole derivatives of triazine

TX Bodo, Jean

PA Ciba-Geigy Corp., USA

IN U.S. 11 pp Cont-in part of U.S. Ser. No. 8,185, abandoned

DE 20684-000M

LA English

PAN C-1

PATENT NO. SING DATE APPLICATION NO. DATE

US 3,926,463 A 1965-06-23 US 3,979,646/3 1976-07-16 C-

FR 1,570,140 A 1970-06-09

US 3,979,610 A 1976-07-16

AB Reaction products of polyalkylbenzimidazole derives of 1,3,5-triazines with chlorides or polycondens are stabilizers, especially light stabilizers, with low volatility and degradation. Thus, reacting 28.1 g of N,N'-bis[1,3,5-triazin-2,4,6-trimethyl-4-pyridinyl]benzidine [I] (80-53), 4 g of 4-bromobenzyl chloride (8450-79-5), and 100 ml. CH₂Cl₂ at 100°C and stirring in vacuo gave a slightly yellow adduct (8460-41-6).

IT 20944-64-2 (8460-41-6)-7

RC FRP (Physical, engineering or chemical process); FRAC (Process)

light stabilizers, for polymers)

IN 20944-64-2 CAPLUS

IN 1,3,5-Triazine-2,4,6-triazine, N,N'''-[1,3,5-dicyanobenzylidene,N,N'''-bis[2,4,6-trimethyl-4-pyridinyl]-N,N'''-bis[2,4,6-trimethyl-4-pyridinyl]-4-pyridinyl]ethyl-, polymer with 2,2'-(1,4-butanediyl)bis(isoquinoline)]bis (domone) (XCI) (CA INDEX NAME)

CH 1

CON 20944-64-1

ORP CH 1146 N00

ORP CH 1146 N00

ORP CH 1146 N00

ORP CH 1146 N00

ORP CH 1146 N00

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ORP CH 1146 N00

L11 ANKER 50 00 309 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

IN 1967-163449 CAPLUS

IN 36-153573

ORIP 36-242676-393016

T1 On the crystallinity of poly(alkylbenzimidazole) salts

TX Abelson, Shaul K.

PA Allied Corp., Morristown, NJ, 07960, USA

IN Journal of Applied Polymer Science (1962), 27(3), 999-96

ORIP: JAPNAS; ISSN: 0021-8995

LA English

PAN C-1

PATENT NO. SING DATE APPLICATION NO. DATE

US 3,926,463 A 1965-06-23 US 3,979,646/3 1976-07-16 C-

FR 1,570,140 A 1970-06-09

US 3,979,610 A 1976-07-16

AB Reaction products of polyalkylbenzimidazole derives of 1,3,5-triazines with chlorides or polycondens are stabilizers, especially light stabilizers, with low volatility and degradation. Thus, reacting 28.1 g of N,N'-bis[1,3,5-triazin-2,4,6-trimethyl-4-pyridinyl]benzidine [I] (80-53), 4 g of 4-bromobenzyl chloride (8450-79-5), and 100 ml. CH₂Cl₂ at 100°C and stirring in vacuo gave a slightly yellow adduct (8460-41-6).

IT 20944-64-2 (8460-41-6)-7

RC FRP (Physical, engineering or chemical process); FRAC (Process)

light stabilizers, for polymers)

IN 20944-64-2 CAPLUS

IN 1,3,5-Triazine-2,4,6-triazine, N,N'''-[1,3,5-dicyanobenzylidene,N,N'''-bis[2,4,6-trimethyl-4-pyridinyl]-N,N'''-bis[2,4,6-trimethyl-4-pyridinyl]-4-pyridinyl]ethyl-, polymer with 2,2'-(1,4-butanediyl)bis(isoquinoline)]bis (domone) (XCI) (CA INDEX NAME)

CH 1

CON 20944-64-1

ORP CH 1146 N00

ORP CH 1146 N00

ORP CH 1146 N00

ORP CH 1146 N00

ORP CH 1146 N00

ORP CH 1146 N00

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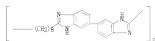
ORP CH 1146 N00

L11 ANKER 81 OF 309 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

OH=CH-OH

IN 81545-93-7 CAPLUS
 CN Benzenedisic acid, tetrafluoro-, compd with poly[[[5,5'-bi-1H-benzimidazole]-2,2'-diyl-1,8-octanediyl]] (C1) (CA INDEX NAME)

CM 1
 CN 25005-65-8
 CNF C22 IE4 NA)n
 CCI FMS

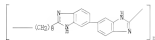


CM 2
 CN 377-38-8
 CNF C4 IE IE NA

HO2C-CF2-CF2-CO2H

IN 81545-94-9 CAPLUS
 CN Benzenedisic acid, octafluoro-, compd with poly[[[5,5'-bi-1H-benzimidazole]-2,2'-diyl-1,8-octanediyl]] (C1) (CA INDEX NAME)

CM 1
 CN 25005-65-8
 CNF C22 IE4 NA)n
 CCI FMS



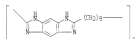
CM 2
 CN 356-08-3
 CNF C6 IE IE NA

L11 ANKER 81 OF 309 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

OH=CH-OH

IN 81545-97-1 CAPLUS
 CN Benzenedisic acid, tetrafluoro-, compd with poly[[1,5-dihydrobenzo[1,2-d,4,6-d']diazindole-2,6-diyl-1,8-octanediyl]] (C1) (CA INDEX NAME)

CM 1
 CN 62008-88-2
 CNF C16 IE0 NA)n
 CCI FMS

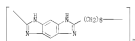


CM 2
 CN 377-38-8
 CNF C4 IE IE NA

HO2C-CF2-CF2-CO2H

IN 81545-98-2 CAPLUS
 CN Pentanedioic Acid, hexafluoro-, compd with poly[[1,5-dihydrobenzo[1,2-d,4,6-d']diazindole-2,6-diyl-1,8-octanediyl]] (C1) (CA INDEX NAME)

CM 1
 CN 62008-88-2
 CNF C16 IE0 NA)n
 CCI FMS



CM 2
 CN 376-73-8
 CNF C6 IE IE NA

HO2C-CF2-CF2-CO2H

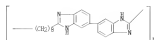
IN 81545-99-3 CAPLUS

L11 ANKER 81 OF 309 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

HO2C-CF2-CF2-CO2H

IN 81545-99-9 CAPLUS
 CN Poly[[[5,5'-bi-1H-benzimidazole]-2,2'-diyl-1,8-octanediyl]], phosphate (C1) (CA INDEX NAME)

CM 1
 CN 25005-65-8
 CNF C22 IE4 NA)n
 CCI FMS

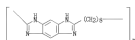


CM 2
 CN 7664-38-2
 CNF IE NA P



IN 81545-96-9 CAPLUS
 CN Fumaric acid, compd with poly[[1,5-dihydrobenzo[1,2-d,4,6-d']diazindole-2,6-diyl-1,8-octanediyl]] (C1) (CA INDEX NAME)

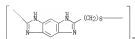
CM 1
 CN 62008-88-2
 CNF C16 IE0 NA)n
 CCI FMS



CM 2
 CN 64-18-6
 CNF C IE IE

L11 ANKER 81 OF 309 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
 CN Poly[[1,5-dihydrobenzo[1,2-d,4,6-d']diazindole-2,6-diyl-1,8-octanediyl]], phosphate (C1) (CA INDEX NAME)

CM 1
 CN 62008-88-2
 CNF C16 IE0 NA)n
 CCI FMS

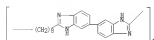


CM 2
 CN 7664-38-2
 CNF IE NA P



IN 81557-98-6 CAPLUS
 CN Pentanedioic acid, hexafluoro-, compd with poly[[[5,5'-bi-1H-benzimidazole]-2,2'-diyl-1,8-octanediyl]] (C1) (CA INDEX NAME)

CM 1
 CN 25005-65-8
 CNF C22 IE4 NA)n
 CCI FMS



CM 2
 CN 376-73-8
 CNF C6 IE IE NA

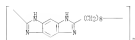
HO2C-CF2-CF2-CO2H

IN 81557-99-7 CAPLUS
 CN Benzenedisic acid, octafluoro-, compd with poly[[1,5-dihydrobenzo[1,2-d,4,6-d']diazindole-2,6-diyl-1,8-octanediyl]] (C1) (CA INDEX NAME)

L31 INDEX 81 OF 309 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CN 1

CM E5009-88-2
 CN C16 120 Ndn
 CC F62

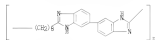


CM 2

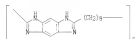
CM 556-08-3
 CN C6 26 28 34

H05C-CP24-0058

IT E5005-65-6P E5006-88-3P
 IL FRP (Preparation); SW Synthesis (preparation); FRP (Preparation)
 (Preparation and Invention Summary of)
 IN E5005-65-6 CAPLUS
 CN Poly[2,6-bis(4-benzimidazole)-2,2'-diyl-1,8-octanediyl] (CA INDEX NAME)



IN E5008-88-2 CAPLUS
 CN Poly[1,5-bis(benzimidazole-2,2'-diyl-4,5,6-trisubstituted)-2,6-diyl-1,8-octanediyl]
 (CA INDEX NAME)



L31 INDEX 83 OF 309 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1901-53434 CAPLUS
 CN 9615434
 CM 9615434,961544
 CC FRP
 IL Asymmetric ultrafiltration membrane
 TL Francis, Wolfberg
 PA Brunswick Corp., USA
 SO Int. Pat. Appl., 31 pp.
 COEN EP 0200

IT Patent

LA British

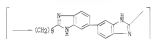
PAX INT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 27750	A2	19911014	EP 1961-50140	19610406 <--
EP 27750	A3	19910015		
EP 27750	N	19910001		

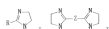
IN E 96, FR, GB, IT, US
 BA 8102063 A 19911013 BA 1961-0065 19610406 <--
 CA 1169046 A 19910407 CA 1961-071265 19610406 <--
 EP 0612714 A 19911106 EP 1961-03767 19610406 <--
 EP 0612714 A 19910407 19610406 <--
 EP 0612714 A 19910407 19610406 <--
 EP 1961-03815 A 19910409 19610404 <--

AB Asem ultrafiltration membranes having water permeability 20-2
 membrane and an open honeycomb structure with an integral skin are
 prepared from a polyimide material having glass temperature (Tg)
 200°C and adequate strength and rigidity. Thus, Chloro-
 KI 216 (80497-96-4) polyimide (Tg 320-390°C) was dissolved in DMF to
 give a 8% solution, and the solution was cast onto a glass plate. The wet film
 was immersed 2 min in water to give a microporous membrane having water
 permeability 2 cm³/cm²/s and a wet weight cut off 35,000 for globular
 proteins (5.5% protein).

IT E5005-65-6P (Preparation)
 IL FRP (Preparation)
 IN E5005-65-6 CAPLUS
 CN Poly[2,6-bis(4-benzimidazole)-2,2'-diyl-1,8-octanediyl] (CA INDEX NAME)



L31 INDEX 82 OF 309 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 1962-12590 CAPLUS
 CN 9612590
 CM 9612590,961464,961466
 TL 4,4'-Polythiobenzimidazoles from dithiobenzimidazole esters, thioarbenzimidazole, or
 arbenzimidazole
 AU Levesque, Guy; Gervais, Jean Claude; Proulx, Maurice
 CC Lab. Physicochim. Photocin. Res., Univ. Maine, Le Mans, F-72061, Fr.
 SO Synthesis (1992), (12), 963-5
 COEN SYNTHET, ISSN 0029-7861
 IT Journal
 LA English
 CC CSEARCH 96 12590



AB The reaction of H2NCH(R'-C6H4)2NH2 (R' = alkyl, Ph, cyclohexyl) and H2NCH(R''-C6H4)2NH2 (R'' = Me, 4-MeOC6H4) with H2NCH(R'-C6H4)2NH2 yielded dithiobenzimidazoles I, similarly prepared were bis(dithiobenzimidazoles) II (I, 2 = p- and p-phenylene, 4,4'-biphenyl) Nitriles RCH(R' = Me, Ph) and terephthalonitrile were treated with H2S and H2NCH(R'-C6H4)2NH2 to yield the resins I and II (I, 2 = p-phenylene). Thus, H2NCH(R'-C6H4)2NH2 in DMF was added to H2NCH(R'-C6H4)2NH2 at approx. 0°C to give I (R' = Me).

IT E5006-74-2P
 IL SW Synthesis (preparation); FRP (Preparation)
 (Preparation of)
 IN E5006-74-2 CAPLUS
 CN 18-Benzimidazole, 2,2'-O,10-decandiylbis[4,6-dithio- (CA INDEX NAME)



L31 INDEX 84 OF 309 CAPLUS COPYRIGHT 2008 ACS on STN

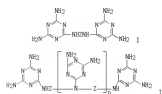
AN 1961-06330 CAPLUS
 CN 9616330
 CM 9616330
 CC FRP
 IL Polyamide fireproof compositions
 PA The Industries, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 COEN JTKM

IT Patent

LA Japanese

PAX INT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 56002547	A	19910402	JP 1992-56790	19920731 <--
FRAT JP 56002547	B	19910410		
GI JP 1992-56790	A	19920031		



AB Polyamides, e.g., nylon 6 (25008-64-4), nylon 66 (25121-17-5), and nylon 66/610 (25129-98-4), containing 5-6% penta diamine derivative (I, 2 = C6H15 hydrocarbon), e.g., 1,3-bis(4-aminophenyl)-4,4'-bis(4-aminophenyl)-5,5'-bis(4-aminophenyl)-6,6'-bis(4-aminophenyl)-7,7'-bis(4-aminophenyl)-8,8'-bis(4-aminophenyl)-9,9'-bis(4-aminophenyl)-10,10'-bis(4-aminophenyl)-11,11'-bis(4-aminophenyl)-12,12'-bis(4-aminophenyl)-13,13'-bis(4-aminophenyl)-14,14'-bis(4-aminophenyl)-15,15'-bis(4-aminophenyl)-16,16'-bis(4-aminophenyl)-17,17'-bis(4-aminophenyl)-18,18'-bis(4-aminophenyl)-19,19'-bis(4-aminophenyl)-20,20'-bis(4-aminophenyl)-21,21'-bis(4-aminophenyl)-22,22'-bis(4-aminophenyl)-23,23'-bis(4-aminophenyl)-24,24'-bis(4-aminophenyl)-25,25'-bis(4-aminophenyl)-26,26'-bis(4-aminophenyl)-27,27'-bis(4-aminophenyl)-28,28'-bis(4-aminophenyl)-29,29'-bis(4-aminophenyl)-30,30'-bis(4-aminophenyl)-31,31'-bis(4-aminophenyl)-32,32'-bis(4-aminophenyl)-33,33'-bis(4-aminophenyl)-34,34'-bis(4-aminophenyl)-35,35'-bis(4-aminophenyl)-36,36'-bis(4-aminophenyl)-37,37'-bis(4-aminophenyl)-38,38'-bis(4-aminophenyl)-39,39'-bis(4-aminophenyl)-40,40'-bis(4-aminophenyl)-41,41'-bis(4-aminophenyl)-42,42'-bis(4-aminophenyl)-43,43'-bis(4-aminophenyl)-44,44'-bis(4-aminophenyl)-45,45'-bis(4-aminophenyl)-46,46'-bis(4-aminophenyl)-47,47'-bis(4-aminophenyl)-48,48'-bis(4-aminophenyl)-49,49'-bis(4-aminophenyl)-50,50'-bis(4-aminophenyl)-51,51'-bis(4-aminophenyl)-52,52'-bis(4-aminophenyl)-53,53'-bis(4-aminophenyl)-54,54'-bis(4-aminophenyl)-55,55'-bis(4-aminophenyl)-56,56'-bis(4-aminophenyl)-57,57'-bis(4-aminophenyl)-58,58'-bis(4-aminophenyl)-59,59'-bis(4-aminophenyl)-60,60'-bis(4-aminophenyl)-61,61'-bis(4-aminophenyl)-62,62'-bis(4-aminophenyl)-63,63'-bis(4-aminophenyl)-64,64'-bis(4-aminophenyl)-65,65'-bis(4-aminophenyl)-66,66'-bis(4-aminophenyl)-67,67'-bis(4-aminophenyl)-68,68'-bis(4-aminophenyl)-69,69'-bis(4-aminophenyl)-70,70'-bis(4-aminophenyl)-71,71'-bis(4-aminophenyl)-72,72'-bis(4-aminophenyl)-73,73'-bis(4-aminophenyl)-74,74'-bis(4-aminophenyl)-75,75'-bis(4-aminophenyl)-76,76'-bis(4-aminophenyl)-77,77'-bis(4-aminophenyl)-78,78'-bis(4-aminophenyl)-79,79'-bis(4-aminophenyl)-80,80'-bis(4-aminophenyl)-81,81'-bis(4-aminophenyl)-82,82'-bis(4-aminophenyl)-83,83'-bis(4-aminophenyl)-84,84'-bis(4-aminophenyl)-85,85'-bis(4-aminophenyl)-86,86'-bis(4-aminophenyl)-87,87'-bis(4-aminophenyl)-88,88'-bis(4-aminophenyl)-89,89'-bis(4-aminophenyl)-90,90'-bis(4-aminophenyl)-91,91'-bis(4-aminophenyl)-92,92'-bis(4-aminophenyl)-93,93'-bis(4-aminophenyl)-94,94'-bis(4-aminophenyl)-95,95'-bis(4-aminophenyl)-96,96'-bis(4-aminophenyl)-97,97'-bis(4-aminophenyl)-98,98'-bis(4-aminophenyl)-99,99'-bis(4-aminophenyl)-100,100'-bis(4-aminophenyl)-101,101'-bis(4-aminophenyl)-102,102'-bis(4-aminophenyl)-103,103'-bis(4-aminophenyl)-104,104'-bis(4-aminophenyl)-105,105'-bis(4-aminophenyl)-106,106'-bis(4-aminophenyl)-107,107'-bis(4-aminophenyl)-108,108'-bis(4-aminophenyl)-109,109'-bis(4-aminophenyl)-110,110'-bis(4-aminophenyl)-111,111'-bis(4-aminophenyl)-112,112'-bis(4-aminophenyl)-113,113'-bis(4-aminophenyl)-114,114'-bis(4-aminophenyl)-115,115'-bis(4-aminophenyl)-116,116'-bis(4-aminophenyl)-117,117'-bis(4-aminophenyl)-118,118'-bis(4-aminophenyl)-119,119'-bis(4-aminophenyl)-120,120'-bis(4-aminophenyl)-121,121'-bis(4-aminophenyl)-122,122'-bis(4-aminophenyl)-123,123'-bis(4-aminophenyl)-124,124'-bis(4-aminophenyl)-125,125'-bis(4-aminophenyl)-126,126'-bis(4-aminophenyl)-127,127'-bis(4-aminophenyl)-128,128'-bis(4-aminophenyl)-129,129'-bis(4-aminophenyl)-130,130'-bis(4-aminophenyl)-131,131'-bis(4-aminophenyl)-132,132'-bis(4-aminophenyl)-133,133'-bis(4-aminophenyl)-134,134'-bis(4-aminophenyl)-135,135'-bis(4-aminophenyl)-136,136'-bis(4-aminophenyl)-137,137'-bis(4-aminophenyl)-138,138'-bis(4-aminophenyl)-139,139'-bis(4-aminophenyl)-140,140'-bis(4-aminophenyl)-141,141'-bis(4-aminophenyl)-142,142'-bis(4-aminophenyl)-143,143'-bis(4-aminophenyl)-144,144'-bis(4-aminophenyl)-145,145'-bis(4-aminophenyl)-146,146'-bis(4-aminophenyl)-147,147'-bis(4-aminophenyl)-148,148'-bis(4-aminophenyl)-149,149'-bis(4-aminophenyl)-150,150'-bis(4-aminophenyl)-151,151'-bis(4-aminophenyl)-152,152'-bis(4-aminophenyl)-153,153'-bis(4-aminophenyl)-154,154'-bis(4-aminophenyl)-155,155'-bis(4-aminophenyl)-156,156'-bis(4-aminophenyl)-157,157'-bis(4-aminophenyl)-158,158'-bis(4-aminophenyl)-159,159'-bis(4-aminophenyl)-160,160'-bis(4-aminophenyl)-161,161'-bis(4-aminophenyl)-162,162'-bis(4-aminophenyl)-163,163'-bis(4-aminophenyl)-164,164'-bis(4-aminophenyl)-165,165'-bis(4-aminophenyl)-166,166'-bis(4-aminophenyl)-167,167'-bis(4-aminophenyl)-168,168'-bis(4-aminophenyl)-169,169'-bis(4-aminophenyl)-170,170'-bis(4-aminophenyl)-171,171'-bis(4-aminophenyl)-172,172'-bis(4-aminophenyl)-173,173'-bis(4-aminophenyl)-174,174'-bis(4-aminophenyl)-175,175'-bis(4-aminophenyl)-176,176'-bis(4-aminophenyl)-177,177'-bis(4-aminophenyl)-178,178'-bis(4-aminophenyl)-179,179'-bis(4-aminophenyl)-180,180'-bis(4-aminophenyl)-181,181'-bis(4-aminophenyl)-182,182'-bis(4-aminophenyl)-183,183'-bis(4-aminophenyl)-184,184'-bis(4-aminophenyl)-185,185'-bis(4-aminophenyl)-186,186'-bis(4-aminophenyl)-187,187'-bis(4-aminophenyl)-188,188'-bis(4-aminophenyl)-189,189'-bis(4-aminophenyl)-190,190'-bis(4-aminophenyl)-191,191'-bis(4-aminophenyl)-192,192'-bis(4-aminophenyl)-193,193'-bis(4-aminophenyl)-194,194'-bis(4-aminophenyl)-195,195'-bis(4-aminophenyl)-196,196'-bis(4-aminophenyl)-197,197'-bis(4-aminophenyl)-198,198'-bis(4-aminophenyl)-199,199'-bis(4-aminophenyl)-200,200'-bis(4-aminophenyl)-201,201'-bis(4-aminophenyl)-202,202'-bis(4-aminophenyl)-203,203'-bis(4-aminophenyl)-204,204'-bis(4-aminophenyl)-205,205'-bis(4-aminophenyl)-206,206'-bis(4-aminophenyl)-207,207'-bis(4-aminophenyl)-208,208'-bis(4-aminophenyl)-209,209'-bis(4-aminophenyl)-210,210'-bis(4-aminophenyl)-211,211'-bis(4-aminophenyl)-212,212'-bis(4-aminophenyl)-213,213'-bis(4-aminophenyl)-214,214'-bis(4-aminophenyl)-215,215'-bis(4-aminophenyl)-216,216'-bis(4-aminophenyl)-217,217'-bis(4-aminophenyl)-218,218'-bis(4-aminophenyl)-219,219'-bis(4-aminophenyl)-220,220'-bis(4-aminophenyl)-221,221'-bis(4-aminophenyl)-222,222'-bis(4-aminophenyl)-223,223'-bis(4-aminophenyl)-224,224'-bis(4-aminophenyl)-225,225'-bis(4-aminophenyl)-226,226'-bis(4-aminophenyl)-227,227'-bis(4-aminophenyl)-228,228'-bis(4-aminophenyl)-229,229'-bis(4-aminophenyl)-230,230'-bis(4-aminophenyl)-231,231'-bis(4-aminophenyl)-232,232'-bis(4-aminophenyl)-233,233'-bis(4-aminophenyl)-234,234'-bis(4-aminophenyl)-235,235'-bis(4-aminophenyl)-236,236'-bis(4-aminophenyl)-237,237'-bis(4-aminophenyl)-238,238'-bis(4-aminophenyl)-239,239'-bis(4-aminophenyl)-240,240'-bis(4-aminophenyl)-241,241'-bis(4-aminophenyl)-242,242'-bis(4-aminophenyl)-243,243'-bis(4-aminophenyl)-244,244'-bis(4-aminophenyl)-245,245'-bis(4-aminophenyl)-246,246'-bis(4-aminophenyl)-247,247'-bis(4-aminophenyl)-248,248'-bis(4-aminophenyl)-249,249'-bis(4-aminophenyl)-250,250'-bis(4-aminophenyl)-251,251'-bis(4-aminophenyl)-252,252'-bis(4-aminophenyl)-253,253'-bis(4-aminophenyl)-254,254'-bis(4-aminophenyl)-255,255'-bis(4-aminophenyl)-256,256'-bis(4-aminophenyl)-257,257'-bis(4-aminophenyl)-258,258'-bis(4-aminophenyl)-259,259'-bis(4-aminophenyl)-260,260'-bis(4-aminophenyl)-261,261'-bis(4-aminophenyl)-262,262'-bis(4-aminophenyl)-263,263'-bis(4-aminophenyl)-264,264'-bis(4-aminophenyl)-265,265'-bis(4-aminophenyl)-266,266'-bis(4-aminophenyl)-267,267'-bis(4-aminophenyl)-268,268'-bis(4-aminophenyl)-269,269'-bis(4-aminophenyl)-270,270'-bis(4-aminophenyl)-271,271'-bis(4-aminophenyl)-272,272'-bis(4-aminophenyl)-273,273'-bis(4-aminophenyl)-274,274'-bis(4-aminophenyl)-275,275'-bis(4-aminophenyl)-276,276'-bis(4-aminophenyl)-277,277'-bis(4-aminophenyl)-278,278'-bis(4-aminophenyl)-279,279'-bis(4-aminophenyl)-280,280'-bis(4-aminophenyl)-281,281'-bis(4-aminophenyl)-282,282'-bis(4-aminophenyl)-283,283'-bis(4-aminophenyl)-284,284'-bis(4-aminophenyl)-285,285'-bis(4-aminophenyl)-286,286'-bis(4-aminophenyl)-287,287'-bis(4-aminophenyl)-288,288'-bis(4-aminophenyl)-289,289'-bis(4-aminophenyl)-290,290'-bis(4-aminophenyl)-291,291'-bis(4-aminophenyl)-292,292'-bis(4-aminophenyl)-293,293'-bis(4-aminophenyl)-294,294'-bis(4-aminophenyl)-295,295'-bis(4-aminophenyl)-296,296'-bis(4-aminophenyl)-297,297'-bis(4-aminophenyl)-298,298'-bis(4-aminophenyl)-299,299'-bis(4-aminophenyl)-300,300'-bis(4-aminophenyl)-301,301'-bis(4-aminophenyl)-302,302'-bis(4-aminophenyl)-303,303'-bis(4-aminophenyl)-304,304'-bis(4-aminophenyl)-305,305'-bis(4-aminophenyl)-306,306'-bis(4-aminophenyl)-307,307'-bis(4-aminophenyl)-308,308'-bis(4-aminophenyl)-309,309'-bis(4-aminophenyl)-310,310'-bis(4-aminophenyl)-311,311'-bis(4-aminophenyl)-312,312'-bis(4-aminophenyl)-313,313'-bis(4-aminophenyl)-314,314'-bis(4-aminophenyl)-315,315'-bis(4-aminophenyl)-316,316'-bis(4-aminophenyl)-317,317'-bis(4-aminophenyl)-318,318'-bis(4-aminophenyl)-319,319'-bis(4-aminophenyl)-320,320'-bis(4-aminophenyl)-321,321'-bis(4-aminophenyl)-322,322'-bis(4-aminophenyl)-323,323'-bis(4-aminophenyl)-324,324'-bis(4-aminophenyl)-325,325'-bis(4-aminophenyl)-326,326'-bis(4-aminophenyl)-327,327'-bis(4-aminophenyl)-328,328'-bis(4-aminophenyl)-329,329'-bis(4-aminophenyl)-330,330'-bis(4-aminophenyl)-331,331'-bis(4-aminophenyl)-332,332'-bis(4-aminophenyl)-333,333'-bis(4-aminophenyl)-334,334'-bis(4-aminophenyl)-335,335'-bis(4-aminophenyl)-336,336'-bis(4-aminophenyl)-337,337'-bis(4-aminophenyl)-338,338'-bis(4-aminophenyl)-339,339'-bis(4-aminophenyl)-340,340'-bis(4-aminophenyl)-341,341'-bis(4-aminophenyl)-342,342'-bis(4-aminophenyl)-343,343'-bis(4-aminophenyl)-344,344'-bis(4-aminophenyl)-345,345'-bis(4-aminophenyl)-346,346'-bis(4-aminophenyl)-347,347'-bis(4-aminophenyl)-348,348'-bis(4-aminophenyl)-349,349'-bis(4-aminophenyl)-350,350'-bis(4-aminophenyl)-351,351'-bis(4-aminophenyl)-352,352'-bis(4-aminophenyl)-353,353'-bis(4-aminophenyl)-354,354'-bis(4-aminophenyl)-355,355'-bis(4-aminophenyl)-356,356'-bis(4-aminophenyl)-357,357'-bis(4-aminophenyl)-358,358'-bis(4-aminophenyl)-359,359'-bis(4-aminophenyl)-360,360'-bis(4-aminophenyl)-361,361'-bis(4-aminophenyl)-362,362'-bis(4-aminophenyl)-363,363'-bis(4-aminophenyl)-364,364'-bis(4-aminophenyl)-365,365'-bis(4-aminophenyl)-366,366'-bis(4-aminophenyl)-367,367'-bis(4-am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L11 ANDER 81 06 399 CAPLUS COPYRIGHT 2009 ACS on STN

(Continued)

PAGE 1-5



L31 ANDER 88 06 399 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1981-2522 CAPLUS

EN 94-2372

ORIP 94-674,10a

T1 Diuretics for antithrombotic with synthetic protease inhibitors Xa

inhibitors versus thrombin inhibitors

A1 Tsimel, E. K.; Webster, E. P.; Bares, S. E.; Geraci, J. D.

C6 Soc. Med., Univ. North Carolina, Chapel Hill, NC 27514, USA

39 Thrombosis Research (1990), 59(3), 297-99

CODEN: THREAS ISSN: 0049-3848

PT Journal

LA English

CI



AB Within the series of synthetic inhibitors of arginine-specific esterases, 1,3-bis(2-methyl-5-methyl-2-benzimidazolyl)ethane (I) [46939-47-6] was identified as a preferential inhibitor of bovine blood coagulation factor Xa [1980-06-6] (K_i = 5.73 × 10⁻⁸ M and α = 4°).

bi(4-methyl-2-isobenzimidazolyl)-ethylene [46939-99-2] as a preferential inhibitor of human thrombin [1980-06-6] (K_i = 3.19 × 10⁻⁸ M). With the help of these compds. it was demonstrated that a hypocoagulable state of human plasma can be established much more effectively with a Xa inhibitor than with a thrombin inhibitor. This was in contrast to the findings with animal plasma where suppression of factor Xa appeared to advantage over suppression of thrombin. With particle plasma the situation was similar to the experience with human plasma and led to the selection of size over the dose for in vivo testing of I. Infusion exppts. in the pig confirmed the usefulness of I only 4.1 mg/kg/min was needed for full anticoagulation, i.e., for maintaining the partial thromboplastin time at 2.5 times the control value. Pig appear to be an expt. model well-suited for extrapolation of data to man.

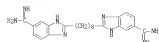
IT 78566-1-6

RE: R006 (biological study)

RI: Anticoagulation therapy with factor Xa inhibition in relation to)

R0 78566-1-6: CAPLUS

CN 1P-Bisbenzimidazole-5-carboximidamide, 2,2'-(1,8-octandiyl)bis- (XCI) (CA INDEX NAME)



L11 ANDER 89 06 399 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1980-058601 CAPLUS

EN 90-166601

ORIP 90-058604,058606a

T1 Studies on the synthesis and properties of bisbenzimidazoles

A1 Lianowski-Therann, Jolita; Kowalska, Miłogost; Janowski, Janusz

C2 J. Polym. Sci., Part A: Polym. Chem., 28(2), 61-4

39 Polymer Letters (1990), 28(2), 61-4

CODEN: POLYLA ISSN: 0098-1273

PT Journal

LA English

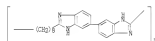
AB Polymers containing 5,5'-bisbenzimidazole units were prepared by 2-stage polymerization of 4,4'-diacetamido-2,2'-bisbenzimidazole with chlorides, anhydrides, or Me esters of aliphatic or aromatic dicarboxylic acids. Two polymerizations resulted in limited solubility. Thermal decomposition of aliphatic and aromatic polymers began at approx 400 and approx 500°C, resp., with considerable differences depending on structure. The concentration of paramagnetic centers in γ-irradiated polymers (3.67-10 × 10¹⁷ spins/g) was relatively stable during storage at -72° to +20° for 500 h. The activity of polymers in decomposing bis-phenol (67-63%) increased with increasing concentration of paramagnetic centers.

IT 25800-65-9

RE: PREP (Properties), SYN (Synthetic preparation), PREP (Preparation)

R0 25800-65-9 CAPLUS

CN Poly[5,5'-bis(1H-benzimidazole)-2,2'-diyl-1,8-octandiyl] (CA INDEX NAME)



L11 ANDER 90 06 399 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1980-016298 CAPLUS

EN 90-116298

ORIP 90-193134,19316a

T1 A simple synthesis of 2,2'-bisbenzimidazoles

A1 Tera, Fumiko; Choudhry, Gopal; Choudhry, Gopal; Anshu Kumar

C2 Chem. Lab., Univ. Rajasthan, Jaipur, 302006, India

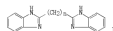
39 Chemistry & Industry (London, United Kingdom) (1990), (7), 287-8

CODEN: CHINDG ISSN: 0009-3098

PT Journal

LA English

CI



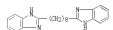
AB Bis(benzimidazole)alkanes I (n = 4-9) were prepared (85-94%) by cyclocondensation reaction of α-CBA(9872) with HOC(CO)2ACOH in the presence of polyphosphoric acid (90-94%) (2.4-4.5).

IT 7333-14-79

RE: SYN (Synthesis preparation); PREP (Preparation)

R0 7333-14-79 CAPLUS

CN 1P-Bisbenzimidazole, 2,2'-(1,8-octandiyl)bis- (CA INDEX NAME)



L11 ANKER 96 09 309 CAPLUS CDFRIGHT 2008 ACS on STN (Continued)



CM 3
CDB 107-21-1
CWP C2 IF AG

L11 ANKER 96 09 309 CAPLUS CDFRIGHT 2008 ACS on STN
AN 1979-04183 CAPLUS

CM 91 5035

CDBP 91-14796a, 14796a

T1 Synthesis and biological activity of bis(benzimidazolyl-2-alkanes) and their diametery ammonium salts

Shchemov, A. I.

CS 10281

SD Rezhynskiy Nosta Rust. i Gribitskiy, Izvestiye (1978) 138-58
From Ref. Zh., Khim. [DGA Abstr. No. 69663]

JF Journal

LA Russian

AB Title only translated

IT 1025-15-77

RL RLT (Reactant), JPN (Synthetic preparation), PREP (Preparation), RALT (Reactant or reagent)

(preparation and quaternization of)

BN 1025-15-77 CAPLUS

CN 1E-Benzimidazole, 2,2'-(1,8-octanediyl)bis- (CA INDEX NAME)



IT 20063-75-4P

RL JPN (Synthetic preparation); PREP (Preparation)

(preparation of)

BN 20063-75-4 CAPLUS

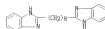
CN 1E-Benzimidazole, 2,2'-(1,8-octanediyl)bis-, compd. with isobutane (1:2)

(OC) (CA INDEX NAME)

CM 1

CDB 1025-15-77

CWP C22 ICF NK



CM 2

CDB 75-00-6

CWP C2 BE 1



L11 ANKER 96 09 309 CAPLUS CDFRIGHT 2008 ACS on STN

AN 1979-04083 CAPLUS

CM 91 5031

CDBP 79-1040a, 1002a

T1 Electrical resistivity and ESCA studies on neutral

poly(4,4'-bis(benzimidazolyl)), their salts, and complexes

AG (Banaru, Shoji M., [Signorelli], Anthony)

CS Chem. Res. Cent. Allied Chem. Corp., Morristown, NJ, 07960, USA

JF Journal of Applied Polymer Science (1979), 25 (2), 2653-60

LA 0009-3098a ISSN 0021-8995

JF Journal

LA English

AB Values for the d.o. elec. resistivity at room temperature of a series of metal

and acid salts having poly(4,4'-bis(benzimidazolyl)) as the parent ligand

varied from approx. 1 x 10^13 Ohm-cm for the neutral polymers to

approx. 1 x 10^6 Ohm-cm for the acid conjugate formed by reaction

with HCl. Unusually, changes in resistivity did not correlate with

acid strength but correlated roughly with the molar volume of the

corresponding acid or metal salt. The nature of the complexes was

elucidated using the ESCA technique. The electron core levels of N, Cl,

and the various metals were examined. Photoelectron spectra indicated the

formation of poly(benzimidazolyl)acid and poly(benzimidazolyl)metal salts.

Complexes of Cu and Ni were high spin, thus ruling out a planar geometry

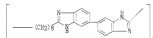
for the Ni-L2 complex.

IT 25866-65-0a, acid and metal salts

RL d.o. resistivities of)

BN 25866-65-0 CAPLUS

CN Poly([5,5'-bi-1E-benzimidazole]-2,2'-diyl-1,8-octanediyl) (CA INDEX NAME)

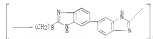


IT 20063-65-0 C000-89-2

RL d.o. resistivity of)

BN 20063-65-0 CAPLUS

CN Poly([5,5'-bi-1E-benzimidazole]-2,2'-diyl-1,8-octanediyl) (CA INDEX NAME)

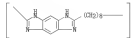


BN C000-89-2 CAPLUS

CN Poly(1,5-dihydrobenzo[1,2-d:4,5-d']diimidazole-2,6-diyl-1,8-octanediyl)

(OC) (CA INDEX NAME)

L11 ANKER 96 09 309 CAPLUS CDFRIGHT 2008 ACS on STN (Continued)



L11 NUMBER 36 OF 309 CAPLUS CONFIDENT 2008 ACS on STN
AN 1979-124599 CAPLUS
IN 90-124599
ORIP 90-14081a,19084a
TI Lactotransferase
IN Lee, Peter; Jain, Holt, Brian
PA Ciba-Geigy A.G., Seltis
SO Ger Offen, 46 pp.
DI OIGEN OFFICE
LA Patent
CA Swiss
FAN ON 1

PATENT NO.	SYNO	DATE	APPLICATION NO.	DATE
FI 10216459	A	1979-0612	DE 1979-201459	19800606 --
DE 418553	A	1982-11	US 1979-092771	19800606 --
US 4131499	A	1981-1001	FR 1979-00026	19800606 --
FR 208961	A	1981-1117	FR 1979-19042	19800606 --
FR 2057969	A	1981-1117	FR 1979-25564	19800610 --
FR 1977-0357	A	1979-0606		

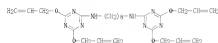
ORIP For diacrylate(s), see printed CA issue.
The preparation of 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 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1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114,

L11 ANKER 109 OF 200 CAPLUS OFFYBET 2009 ACS on STN
AN 1205-511706 CAPLUS
IN 83-111776
ORIP 83-18101a,18110a
T1 Isolation of electrical cables and conductors
IN Eiseberg, Wolfgang; Weidenmann, Rudolf; Alms, Helmut
Stiemer, A. -
S0 Ger Offen, 27 pp.
DE Offen WPTD
LA German
FAN CN 1

PATENT NO.	INNOV	DATE	APPLICATION NO.	DATE
FI DE 2506657	A1	1970-09-06	DE 1967-2506657	1970-09-01 <-
DE 2506657	B2	1975-09-04		
DE 2506657	C3	1976-01-27		
GB 1448959	A	1976-09-03	GB 1967-58154	1967-12-14 <-
FR 2118105	A1	1971-09-10	FR 1970-43844	1971-12-20 <-
IT 2506650	A	1976-09-03	IT 1967-66140	1968-02-20 <-
IT 1606975	B	1966-12-29	IT 1964-68483	1966-02-10 <-
AT 348110A	A	1971-08-11	AT 1967-1406	1971-06-21 <-
AT 350655	B	1968-06-25		
FRAT DE 1975-2506657	A	1975-09-03		

AS Composites solvolytic (C) (9000-88-4) or ethylene cotolysis insulation or elec. conduction smth on Cu wire was treated by extruding a mixture of the polymer, a peroxide, and a crosslinking agent such as 2,4-diallyl-6-oxoethylamine-triazine (II) or N,N'-bis[4,6-bis(4-diallyl-6-oxoethyl-4-yl)-1,3,5-triazinane] (S2115-00-0) on the wire and heating the mixture at 240-260°. The composition contained no solubles. Thus, a mixture of 1 (G 9.818) 96.5, 1,3-bis(Ger-4-ethylperoxypropyl)benzene 1.5, II 1.5, and polymer 2,4,6-trisub[4,6-bis(4-diallyl-6-oxoethyl-4-yl)-1,3,5-triazinane] 0.9 part was extruded on Cu wire and heated at 240° for 2 sec to give 82% insoluble.

IT S215-00-0
R1. REX. Modifier or additive use; US25 (class)
crosslinking agents; for polyethylene (class; insulation)
IN S215-00-0 CAPLUS
CN 1,6-Oxetadiazane, N,N'-bis[4,6-bis(4-propenyl)-1,3,5-triazin-2-yl]- (XC1) (CA INDEX NAME)



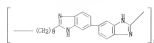
L11 ANKER 109 OF 200 CAPLUS OFFYBET 2009 ACS on STN (Continued)
CN 64-18-6
OFF C 25 00

O=CH-CH=

L11 ANKER 109 OF 200 CAPLUS OFFYBET 2009 ACS on STN
AN 1205-511513 CAPLUS
IN 83-111531
ORIP 83-18101a,18110a
T1 Polymers with unusual electrical properties
AU Litt, W.; Hsu, Che-Hsiung; Basi, P.; Novotny, T.
CN Rep. Macromol. Sci., Am. West. Reserve Univ., Cleveland, OH, USA
S0 U S N Y I S., Adv. Res. (1974), No. 005440/00A, 33 pp.
Avail. NTIS
From Govt. Rep. Announc. O. J. S. 1975, 75(4), 119
ORIP 83-18101a,18110a

IT Report
LA English
AS Poly(oxoethylene diaminodisulfide) [2505-65-8] amorphous polymer formed a 1:1 complex (S2062-21-6) with formic acid which had large peaks in the dielectric constant and loss factor at 120° that were frequency independent, indicating a first order process. The value of the dielectric constant at the top of the peak was comparable to values obtained for single crystals of ferroelectric substances, so that the complex was probably ferroelectric. The films stored large amt. of charge when polarized, and showed spontaneous current flow and voltage, which were dissipated as a function of time and temperature.

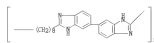
IT 2505-65-8
R1. PSE (Properties)
(dielectric properties of)
CN 2505-65-8 CAPLUS
AU Poly[15,15'-bis-1H-benzimidazole-2,2'-diyl-1,8-octandiylo] (CA INDEX NAME)



IT S2062-21-6
R1. US25 (Uses)
(ferroelectric substances, crystalline)
IN S2062-21-6 CAPLUS
CN Ferrocyclic acids, com. with poly[15,15'-bis-1H-benzimidazole-2,2'-diyl-1,8-octandiylo] (XC1) (CA INDEX NAME)

OR 1

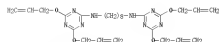
CN 2505-65-8
OFF C22 184 00-0
C11 PSE



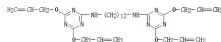
OR 2

L11 ANKER 110 OF 200 CAPLUS OFFYBET 2009 ACS on STN
AN 1975-110000 CAPLUS
IN 83-10000
ORIP 83-1811a
T1 Partial aminoysis of 3,4,6-trialllyl-2-triazine II Preparation of N,N'-bis[4,6-bis(4-diallyl-6-oxoethyl-2-triazinyl)phenyl]diamine
AU Alms, R.; Weidenmann, R.; Eiseberg, W.
CN Pomeroy, J.; Stiemer, A. -; Eiseberg, Fed. Rep. Ger.
S0 Synthesis (1975), (3), 184-6
ORIP 83-1811a,18110a,18110b

DE German
LA German
CN CAIRACT 83-10000
C1 For diagram, see related CA Index
AS Bis(diallyl)oxetrazinylaminoalkanes [X = NH(CD2)2-1,2N],
NH(CD2)2-2,3N], NH(CD2)2-4,5N], NH(CD2)2-6,7N] were obtained in 80% yield by treating 3,4,6-tris(allyl)-2-triazine with diamines
IN S215-00-0 CAPLUS
R1. SYN Synthetic preparation; PREP (Preparation)
(copolymer of)
IN S215-00-0 CAPLUS
CN 1,8-Octandiolamine, N,N'-bis[4,6-bis(4-propenyl)-1,3,5-triazin-2-yl]- (XC1) (CA INDEX NAME)



IN S2062-21-1 CAPLUS
CN 1,15-Dioxadiazane, N,N'-bis[4,6-bis(4-propenyl)-1,3,5-triazin-2-yl]- (XC1) (CA INDEX NAME)



L11 ANKER 111 06 200 CAPLUS OMPREHT 2009 ACS on STN
AK 1975-06455 CAPLUS
IP 87 06455

QREP 8715371a,15734a

TI Syntheses and properties of polybenzoxazines from diisocyanates and bisphthalimides

AD Geo. Yoshikazu Igarashi, Hiroshi; Katsunari, Toshiro

OR High Polym. Technol., Tokyo Inst. Technol., Tokyo, Japan

SO Nippon Kagaku Kaishi (1994), (2), 2419-24

QOON READON; ISSN: 0049-4577

PT Journal

ABSTRACT

AL For diagram(s), see printed CA issue.

AS Polycondensation of diisocyanate acid diester) esters (I, R = C(CH₃)₂),

(CH₂)₆, 4-phenylene, 4-phenylene) with bisphthalimides.

RI[NewChem] [NewChem] (I) = methylated-polyethylene, methyl-pyrene, or

ethylene) at 20-100°C in dipolar aprotic solvents gave 2,2'-biphenyl

polymers (II) with softening temperature and glass-transition temperature of II

were 200-250°C and 190-200°C, resp. Treatment of I

with phthalic anhydride (140-160°C) gave III as model compounds

54641-09-2 54641-09-3 54641-09-4 54641-09-5

RU (I) (Synthetic preparation) (PREP (Preparation))

RU 54641-09-7 CAPLUS

ON Poly(6-amin-1,3,5-triazine-2,4-diyl)-1,8-octanediyl(6-amin-1,5,6-

triazine-2,4-diyl)amino-,4-phenyleneamino-,4-phenyleneamino) (OC1) (CA

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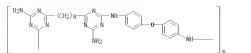
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L11 ANKER 111 06 200 CAPLUS OMPREHT 2009 ACS on STN (Continued)



IN 54641-11-1 CAPLUS

ON Poly(6-amin-1,3,5-triazine-2,4-diyl)amino-,4-phenyleneamino(6-amin-

1,3,5-triazine-2,4-diyl)-1,8-octanediyl) (OC1) (CA INDEX NAME)

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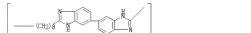
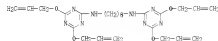
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IN 31850-77-2 CAPLUS

ON Poly(1H-benzimidazole-2,5-diyl)ethyl-1H-benzimidazole-5,2-diyl-1,8-

octanediyl) (OC1) (CA INDEX NAME)

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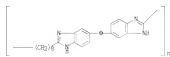
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L11 ANSWER 113 OF 260 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L31 ANSWER 114 OF 260 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1994-05353 CAPLUS

IN 87-13732S

ORIP 81-19200a,19200a

T1 TGA-MS (thermoanalytical-mass spectrometric) degradation studies of some new aliphatic-aromatic polybenzimidazoles

CN Tsur, Tetsu; Friedrich, Tilmann G.; Levy, Moshe

CN Dep. Plant. Res., Weizmann Inst. Sci., Rehovot, Israel

30 Journal of Polymer Science, Polymer Chemistry Edition (1994),

13(7), 1521-9

CODEN: JPACAT, ISSN 0360-6376

PT Journal

LA English

Polybenzimidazoles prepared by polycondensing phenylenediacetic acids and aliphatic dicarboxylic acids with aromatic tetraamines decomposed at avg 500 deg. in Ar to give a solid residue consisting of a mixture of fractions derived from the breaking of polymer chains at the methylene bonds. The 1st weight loss resulting from polymerization ranged from 80 to 80% and increased as the length of the aliphatic chain increased. The most abundant residue in the residue was the benzimidazole residue. Polymers with an ether linkage in the same residue started to degrade at 450 deg. At 500 deg. deacetylation products similar to those of the corresponding all-aromatic benzimidazoles were obtained. Studies of degradation in air showed that presence of the methylene groups to carbonyls at 350 deg. improved the thermal stability of polybenzimidazoles containing cyclic methylene groups and eliminated the fast decomposition into solid fragments.

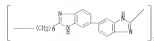
25495-65-8 31869-71-2 63200-18-9

RL FWS (Fragments)

(degradation of, mechanism of)

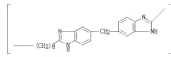
25495-65-9 CAPLUS

CN Poly[5,5'-bi-1H-benzimidazole-2,2'-diyl-1,8-octanediyl] (CA INDEX NAME)



BN 31869-71-2 CAPLUS

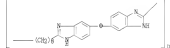
CN Poly[5,5'-bi-1H-benzimidazole-2,2'-diyl-1,8-octanediyl] (CA INDEX NAME)



BN 63200-18-9 CAPLUS

CN Poly[5,5'-bi-1H-benzimidazole-2,2'-diyl-1,8-octanediyl] (CA INDEX NAME)

L11 ANSWER 114 OF 260 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L31 ANSWER 115 OF 260 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1991-087727 CAPLUS

IN 81-36727

ORIP 81-15440a,15441a

T1 Photographic direct-positive emulsions

CN Hata, Mamoru; Shiba, Kenzou; Nii, Reichi; Shinishi, Tadao

CN Fujii Photo Film Co., Ltd.

30 Ger. Offen., 40 pp

CODEN: GRXEBH

PT Patent

LA German

FOL INT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P1 DE 2345300	A1	19740627	DE 1973-2463300	19731219 <-
JP 5904629	A	19840614	JP 1973-173715	19731219 <-
GB 1458559	A	19760611	GB 1973-08667	19731219 <-
US 3940097	A	19750607	US 1973-046146	19731219 <-
FR41 JP 1973-178726	A	19731219		

AB Photog. direct-pos. emulsions of high reversal sensitivities, and giving images of high maxima d. and low min. d. contained

nitrophenylthiolates or nitrophenylthiols, actually along with a cyanine sensitizer, for the sensitization of the emulsion in the blue region. Thus, a chemical fogged AgBr-D emulsion containing 8 + 10-2 mole 2-methyl-5-(2,4-dinitrophenylthio)-4-phenylthiazole (I) had sensitivity 240, maxima d. 2.5, and min. d. 0.0 vs. ISO, 1.5, and 0.0, resp., for an emulsion containing Pinkkryptol Yellow (instead of I).

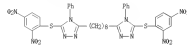
54188-42-9

RL TEM (Technical or engineered material use); DEES (Uses)

(colorless, sensitizer, for direct-pos. emulsions)

BN 54188-42-9 CAPLUS

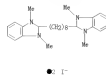
CN 40-1,1,4-triazole, 3,5'-((1,8-octanediyl)bis[5-(2,4-dinitrophenyl)thio]-4-phenyl] (CA INDEX NAME)



- L11 ANKER 116 OF 260 CAPLUS OMPREHENT 2009 ACS ON STN
AN 124-4746-8 CAPLUS
IN 81 5610
ORIP 81 1537A,1540A
T1 Anticancer activity of benzimidazole derivatives IV. Bishenmishandazole derivatives - 2
AS Kishino, Shunpei; Takahashi, Katsuo; Miyajima, Noriko
CS Meiji Coll. Pharm. Sch., Tokyo, Japan
SO Takahashi, Shunpei. JPN 57-194,257-1
OSDN 102424, ISSN 0001-4243
JP Japanese
JA Japanese
AS Of 54 bishenmishandazole derivaes tested, 30 compounds such as 1,3-bis(2-benzimidazolyl)pyrene (I) [1247-66-2] and 1,4-bis(2-benzimidazolyl)butane [1246-94-9] slightly inhibited the cytotoxic effect of picloric acid, but did not show any antiviral activity against gelsemium. At the concentration of maximum nontoxic dose, 1,3-bis(2-benzimidazolyl)pyrene [1247-66-2], 1,3-bis(2-benzimidazolyl)-1,3,3-trimethylpyrrolidine [1247-69-0], and 1,4-bis(2-benzimidazolyl)butane inhibited the plaque formation of poliovirus by 86.6, 66.3, 38.3 and 66.8%, respectively. Compounds such as 1,4-bis(2-benzimidazolyl)pyrene [1247-66-2], 1,4-bis(2-benzimidazolyl)-1,2,3,4-tetrahydroquinoline [124699-17-9] and 1,3-bis(2-benzimidazolyl)-2-benzimidazolyl)pyrene [1247-66-2] decreased the yield of intracellular virus and the incorporation of 14C-labeled uridine into acid-soluble material in HeLa cells infected with poliovirus.
IT 12069-60-3
RE 36C: Biological activity or effect, except adverse; 36U: Biological study, unclassified; 70D: Therapeutic use; 80G: Biological study; 93BS (chem): Antiviral activity of
RN 12069-60-3 CAPLUS
CN 12-Benzimidazole, 2,2'-(1,3-octandiyl)bis(5-methoxy- (ICI) (CA INDEX NAME)



- L11 ANKER 117 OF 260 CAPLUS OMPREHENT 2009 ACS ON STN
AN 124-10216-5 CAPLUS
IN 80 10270
ORIP 80 14635a,14635a
T1 Pharmacology of new bis-quaternary derivatives of benzimidazole
AS Treiman, S. N.
CS USSR
SO Parakolov, Alkhaloidov Ikh Protseyev (1972), 362-7 Editor(s):
Oshakov, M. B. Publisher: "Pan", Tallinn, USSR.
OSDN 129640
JP Conference
JA Russian
AS When injected i.v. at 8-10 mg/kg into mice, 1,4-bis(1-methyl-2-benzimidazolyl)butane dimethiodide (I) [1274-79-4], 1,6-bis(1-methyl-2-benzimidazolyl)hexane dimethiodide [1269-64-9], 1,7-bis(1-methyl-2-benzimidazolyl)heptane dimethiodide [1274-8-9], or 1,8-bis(1-methyl-2-benzimidazolyl)octane dimethiodide [1274-81-8] had hypotensive and cardioribostatic effects. At higher concs., the agents had a curar-like activity. The increase in the carbon atom number from 4 to 8 was accompanied by an increase in the hypotensive and curar-like properties of the agents.
IT 1274-81-8
RE 80G: (Biological study)
RN 1274-81-8 CAPLUS
CN 12-Benzimidazole, 2,2'-(1,8-octandiyl)bis(1,3-dimethyl-, diiodide (ICI) (CA INDEX NAME)



ONE OR MORE AUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

- L11 ANKER 118 OF 260 CAPLUS OMPREHENT 2009 ACS ON STN
AN 127-4786-8 CAPLUS
IN 79 12632
ORIP 79 1276A,1277A
T1 Reaction of carboxylic acid hydrazides with 1-methyl-2-methylimidazole
AS Fisher, G. N.; Yoshino, M. O.; Isomura, Y. A.; Shindai, A. A.
CS Letting: Int. Tekst. Legh. Prom. in. Strona, Leningrad, USSR
SO Chemical Abstractor Service (1979), 940, 1266-9
OSDN 126624, ISSN 0014-1422
JP Japanese
JA Japanese
AS For GIACOM(s), see printed CA issue.
CN 1,3-BIS(2-BENZIMIDAZOLYL)PYRENE (I, 8 = Me, 10 = Me, 12 = Me, 14 = Me, 16 = Me, 18 = Me, 20 = Me, 22 = Me, 24 = Me, 26 = Me, 28 = Me, 30 = Me, 32 = Me, 34 = Me, 36 = Me, 38 = Me, 40 = Me, 42 = Me, 44 = Me, 46 = Me, 48 = Me, 50 = Me, 52 = Me, 54 = Me, 56 = Me, 58 = Me, 60 = Me, 62 = Me, 64 = Me, 66 = Me, 68 = Me, 70 = Me, 72 = Me, 74 = Me, 76 = Me, 78 = Me, 80 = Me, 82 = Me, 84 = Me, 86 = Me, 88 = Me, 90 = Me, 92 = Me, 94 = Me, 96 = Me, 98 = Me, 100 = Me, 102 = Me, 104 = Me, 106 = Me, 108 = Me, 110 = Me, 112 = Me, 114 = Me, 116 = Me, 118 = Me, 120 = Me, 122 = Me, 124 = Me, 126 = Me, 128 = Me, 130 = Me, 132 = Me, 134 = Me, 136 = Me, 138 = Me, 140 = Me, 142 = Me, 144 = Me, 146 = Me, 148 = Me, 150 = Me, 152 = Me, 154 = Me, 156 = Me, 158 = Me, 160 = Me, 162 = Me, 164 = Me, 166 = Me, 168 = Me, 170 = Me, 172 = Me, 174 = Me, 176 = Me, 178 = Me, 180 = Me, 182 = Me, 184 = Me, 186 = Me, 188 = Me, 190 = Me, 192 = Me, 194 = Me, 196 = Me, 198 = Me, 200 = Me, 202 = Me, 204 = Me, 206 = Me, 208 = 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Me, 410 = Me, 412 = Me, 414 = Me, 416 = Me, 418 = Me, 420 = Me, 422 = Me, 424 = Me, 426 = Me, 428 = Me, 430 = Me, 432 = Me, 434 = Me, 436 = Me, 438 = Me, 440 = Me, 442 = Me, 444 = Me, 446 = Me, 448 = Me, 450 = Me, 452 = Me, 454 = Me, 456 = Me, 458 = Me, 460 = Me, 462 = Me, 464 = Me, 466 = Me, 468 = Me, 470 = Me, 472 = Me, 474 = Me, 476 = Me, 478 = Me, 480 = Me, 482 = Me, 484 = Me, 486 = Me, 488 = Me, 490 = Me, 492 = Me, 494 = Me, 496 = Me, 498 = Me, 500 = Me, 502 = Me, 504 = Me, 506 = Me, 508 = Me, 510 = Me, 512 = Me, 514 = Me, 516 = Me, 518 = Me, 520 = Me, 522 = Me, 524 = Me, 526 = Me, 528 = Me, 530 = Me, 532 = Me, 534 = Me, 536 = Me, 538 = Me, 540 = Me, 542 = Me, 544 = Me, 546 = Me, 548 = Me, 550 = Me, 552 = Me, 554 = Me, 556 = Me, 558 = Me, 560 = Me, 562 = Me, 564 = Me, 566 = Me, 568 = Me, 570 = Me, 572 = Me, 574 = Me, 576 = Me, 578 = Me, 580 = Me, 582 = Me, 584 = Me, 586 = Me, 588 = Me, 590 = Me, 592 = Me, 594 = Me, 596 = Me, 598 = Me, 600 = Me, 602 = Me, 604 = Me, 606 = Me, 608 = Me, 610 = Me, 612 = Me, 614 = Me, 616 = Me, 618 = Me, 620 = Me, 622 = Me, 624 = Me, 626 = Me, 628 = Me, 630 = Me, 632 = Me, 634 = Me, 636 = Me, 638 = Me, 640 = Me, 642 = Me, 644 = Me, 646 = Me, 648 = Me, 650 = Me, 652 = Me, 654 = Me, 656 = Me, 658 = Me, 660 = Me, 662 = Me, 664 = Me, 666 = Me, 668 = Me, 670 = Me, 672 = Me, 674 = Me, 676 = Me, 678 = Me, 680 = Me, 682 = Me, 684 = Me, 686 = Me, 688 = Me, 690 = Me, 692 = Me, 694 = Me, 696 = Me, 698 = Me, 700 = Me, 702 = Me, 704 = Me, 706 = Me, 708 = Me, 710 = Me, 712 = Me, 714 = Me, 716 = Me, 718 = Me, 720 = Me, 722 = Me, 724 = Me, 726 = Me, 728 = Me, 730 = Me, 732 = Me, 734 = Me, 736 = Me, 738 = Me, 740 = Me, 742 = Me, 744 = Me, 746 = Me, 748 = Me, 750 = Me, 752 = Me, 754 = Me, 756 = Me, 758 = Me, 760 = Me, 762 = Me, 764 = Me, 766 = Me, 768 = Me, 770 = Me, 772 = Me, 774 = Me, 776 = Me, 778 = Me, 780 = Me, 782 = Me, 784 = Me, 786 = Me, 788 = Me, 790 = Me, 792 = Me, 794 = Me, 796 = Me, 798 = Me, 800 = Me, 802 = Me, 804 = Me, 806 = Me, 808 = 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2646 = Me, 2648 = Me, 2650 = Me, 2652 = Me, 2654 = Me, 2656 = Me, 2658 = Me, 2660 = Me, 2662 = Me, 2664 = Me, 2666 = Me, 2668 = Me, 2670 = Me, 2672 = Me, 2674 = Me, 2676 = Me, 2678 = Me, 2680 = Me, 2682 = Me, 2684 = Me, 2686 = Me, 2688 = Me, 2690 = Me, 2692 = Me, 2694 = Me, 2696 = Me, 2698 = Me, 2700 = Me, 2702 = Me, 2704 = Me, 2706 = Me, 2708 = Me, 2710 = Me, 2712 = Me, 2714 = Me, 2716 = Me, 2718 = Me, 2720 = Me, 2722 = Me, 2724 = Me, 2726 = Me, 2728 = Me, 2730 = Me, 2732 = Me, 2734 = Me, 2736 = Me, 2738 = Me, 2740 = Me, 2742 = Me, 2744 = Me, 2746 = Me, 2748 = Me, 2750 = Me, 2752 = Me, 2754 = Me, 2756 = Me,

L11 NUMBER 123 OF 260 CAPLUS OFFRIGHT 2009 ACS ON STN

AN 1971-46434E CAPLUS

IN 75-1452A

ORIP 75-10229a, 10232a

T1 Synthesis and investigation of polybenzimidazoles containing alkyl

substituents in aromatic nuclei:

Korshak, V. N.; Tsykman, M. I.; Polonova, R. D.

CS Inst. Elem.-Org. Compd., Moscow, USSR

20 Journal of Polymer Science, Part A1: Polymer Chemistry (1971),

9(4), 1407-12

ORIG 2552CS, ISSN 0491-5193

JZ 4

LA English

AS

For diamine(s), see printed CA Index.

Polybenzimidazole (I) for their tetramers where R1 = a single bond or CH2, R2 = Me or H, R3 = Me or H, and R4 = m- or p-phenylene, (CH2)4, (CH2)6, or p-CH3C6H4CH2, were prepared from 3,3'-diamino-5,5'-oxydiphenylene, bis-(p-tert-butylamino-4-aminophenyl)methane, 3,3'-,4,4'-tetraamino-5,5'-dimethyldiphenylmethane (II), 3,3'-diamino-4,4'-bis(tert-butylamino-5,5'-dimethylphenyl)-bis(5-aminophenyl)-bis(aminomethyl)phenylmethane, 3,3',4,4'-tetraaminodibenzylmethane, and (or) bis(5-aminophenyl)-4-(tert-butylamino)-5-methylphenylmethane and di-Ph esters of adipic acid, sebacic acid, bis-phthalic acid, or terephthalic acid or of 3,4'-disubstituted phenyl) cates by melt-phase polycondensation. Most of the tetramers were prepared by reduction of the bisnitroamines prepared by nitration of the corresponding diamines. The IR spectrum of poly(1,3'-p-phenylene)-4,4'-bis(methyl-5,5'-bisubstituted-acyl)-methane) prepared from isophthalic acid and II was in good agreement with that of the model compound 3,3'-m-phenylenedibenzimidazole, prepared from di-Ph isophthalic acid and m-phenylenediamine. I had high heat resistance, were soluble in organic solvents and gave strong, elastic films. I (R2 = Me) were more soluble than I (R2 = H). I (R2 = Me) were most thermally stable but less soluble in organic solvents and slightly less chemically resistant and gave films with higher tensile strength (low linear elasticity) than those from I (R2 = Me). Polybenzimidazopyrrolones (III) prepared from II and pyromellitic acid dianhydride were fused, in organic solvents but swelled in concentrated H2SO4. The polyimide/lithide (IV) prepared from 3,3'-diamino-4,4'-diaminodibenzylmethane and pyromellitic acid dianhydride were used in Me2CO, AcOH, and H2O. I (R1 = CH2; R2 = H; R3 = Me and R4 = p-phenylene, or H2C6H4) were prepared from the appropriate alkyl-substituted tetraamines, prepared by boiling the N-Me tetraamines in H2O, Me2CO, or Ph2SOH in the presence of catalysts, they did not differ significantly in solubility from that of the corresponding I (R2 = Me) and had lower heat resistance.

IT 32990-06 OF 32990-31-0 32990-39-27

32990-44-9

RE SYN Synthetic preparation) PREP (Preparation)

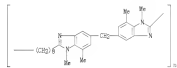
(Preparation of)

32990-26-3 CAPLUS

RN Poly(1-(methyl-1H-benzimidazole-2,5-diyl)methylene(1-methyl-1H-benzimidazole-5,5'-diyl)-1,3'-octanediyl) (OC1) CA INDEX NAME

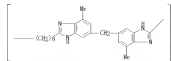
L11 NUMBER 123 OF 260 CAPLUS OFFRIGHT 2009 ACS ON STN

(Continued)



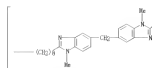
L11 NUMBER 123 OF 260 CAPLUS OFFRIGHT 2009 ACS ON STN

(Continued)



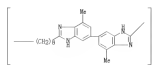
RN 32990-31-0 CAPLUS

ON Poly(1-methyl-1H-benzimidazole-2,5-diyl)methylene(1-methyl-1H-benzimidazole-5,5'-diyl)-1,3'-octanediyl) (OC1) CA INDEX NAME



RN 32990-39-3 CAPLUS

ON Poly(1,3'-dimethyl[5,6'-bi-1H-benzimidazole]-2,2'-diyl)-1,4'-octanediyl) (OC1) CA INDEX NAME



RN 32990-44-9 CAPLUS

ON Poly(1,7'-dimethyl-1H-benzimidazole-2,5-diyl)methylene(1,3'-dimethyl-1H-benzimidazole-5,5'-diyl)-1,3'-octanediyl) (OC1) CA INDEX NAME

L11 NUMBER 124 OF 260 CAPLUS OFFRIGHT 2009 ACS ON STN

AN 1971-46650E CAPLUS

IN 75-1961

ORIP 75-397A, 990A

T1 Bis(4-amino-5-nitroimidazolyl)aminoalkanes

20 Takemoto, Tetsuhiko; Okumura, Shigeru; Nakada, Toshi

Jpn. Tokkyo Koho, 5 pp.

CONSY JALAD

JZ Patent

LA Japanese

FAN ON

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 45041588	B6	19701228	JP	19611218

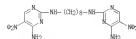
AS In an example, 3-chloro-4-amino-5-nitroimidazole was heated with KCN/CH3CN and NaOH in dioxane to give 1,6-bis(4-amino-5-nitro-2-imidazolyl)aminoheptane.

IT 31274-16-0 31274-17-1P

RE: SYN Synthetic preparation) PREP (Preparation)

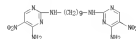
32990-26-3 CAPLUS

ON Preimidazole, 2,2'-(octamethylene)bis[4-(4-amino-5-nitro-2-imidazolyl)] (OC1) CA INDEX NAME



RN 31274-17-1 CAPLUS

ON Preimidazole, 2,2'-(octamethylene)bis[4-(4-amino-5-nitro-2-imidazolyl)] (OC1) CA INDEX NAME



L11 NUMBER 126 OF 200 CAPLUS OFFRIGHT 2009 ACS ON STN

AN 1971-100600 CAPLUS

IN 74-10000

ORIP 74-16501a, 16504a

TI Nitroimidazole

IN Okumura, Shigeru; Nebata, Toshi; Takamatsu, Toshiyoshi

IN Jpn. Yak. Kogyo, 3 pp.

ORIP 000000 JACIAD

JP Patent

LA Japanese

PAN CNT

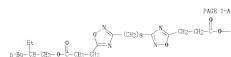
PATENT NO. _____ KIND DATE APPLICATION NO. DATE

FI 74-00000000 34 1970-00-00 JP 1970-00-00 <--

AS For diagram(s), see printed CA issue.

AB 1, useful as an antitubercular and antituberculous drug, is manufactured Nitroveracetaldehyde (2.3 g) is refluxed 2 hr in 100 ml dioxane containing 4.2 g triethylamine and 100 ml 5N added to give 3.15 g of 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 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581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130,

L11 ANKER 131 0F 509 CAPLUS OMYREIDT 2009 ACS on STN (Continued)



L11 ANKER 132 0F 509 CAPLUS OMYREIDT 2009 ACS on STN

AN 1909-02564 CAPLUS

IN 71:192564

OMIP 71:190564, 19060a

T1 Crystallinity of poly(2,2'-octamethylene-5,5'-bibenzimidazole) and structural changes resulting from heat treatment

CA Pevnev, S. Ya.; Ginzburg, B. M.

CS Inst. High Mol. Compounds, Leningrad, USSR

SO Journal of Polymer Science, Polymer Symposia (1967), 22 Pt. 2, 813-26

OOIN JPCMAC, ISSN 0066-8006

DT Journal

LA English

It is shown in the case of poly(2,2'-octamethylene-5,5'-bibenzimidazole) that poly(alkylenebibenzimidazoles) can be crystallized. The studies of fibers and films prepared from formic acid solution involved different melt techniques, such as x-ray diffraction, infrared spectroscopy, D.T.A., and thermogravimetry (TGA). The x-ray patterns reveal that the highly ordered crystallites must be present in the fibers as well as in the films. The x-ray data suggest a possible model of chain conformation within crystallites. The heating of films and fibers to 120-140° (far below the previously reported softening point) brings about amorphization. In the same temperature range, is observed a discontinuity in the TGA curve, an endothermic peak in the D.T.A., and most intense changes in the absorption spectra. The crystalline structure is not restored on cooling and can be obtained again only after treatment with formic acid. The weight losses of fibers and films on heating accompanied by amorphization are about 18%. Nevertheless, thermal degradation seems not to take place, the weight losses of the initial polymer, up to 400°, being less than 2%. Formation and thermal degradation of mixed polymer-solvent crystals are observed. The hypothesis explains fully all the peculiarities of the poly(2,2'-octamethylene-5,5'-bibenzimidazole) crystallization habit.

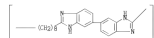
IT 25089-65-8

RL IEES (Ussr)

CA Crystalline behavior of, heat treatment in relation to

NN 25089-65-8 CAPLUS

CN Poly(2,2'-bi-18-benzimidazole)-2,2'-diyl-1,8-octandiyl (CA INDEX NAME)



L11 ANKER 133 0F 509 CAPLUS OMYREIDT 2009 ACS on STN

AN 1909-025900 CAPLUS

IN 71:22600

OMIP 71:2084, 7396a

T1 Submitted aliphatic polybenzimidazoles as membrane separator materials

CA Transler, Floyd B.; Levine, David H.

CS Nanco Res. and Develop. Div., Whittaker Corp., San Diego, CA, USA

SO Journal of Applied Polymer Science (1969), 13(1), 107-6

OOIN JAPWAS, ISSN 0021-8995

DT Journal

LA English

Aliphatic polybenzimidazoles were modified to increase their tribiobiotics. The modified polymer can be used as a sterilizable battery separator in space vehicles. Poly(2,2'-octamethylene-5,5'-bibenzimidazole) was sulfonated, N-methylpyrrolidone with 0.5% DMSO and NaOH, and N-methylpyrrolidone and hydrolyzed to the N-methylpyrrolidone derivative. The sulfonated polymer was too insol. for processing and the other derivs. had too great an resistance for use as battery separators. Carboxymethylated poly(2,2'-octamethylene-5,5'-bibenzimidazole) had tensile strength 10,600 psi, with an resistance 100-200 psi, and met the requirements for a sterilizable battery separator.

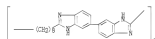
IT 25089-65-8

RL IEES (Ussr)

CA Carboxymethylated, membrane from, as battery separator

NN 25089-65-8 CAPLUS

CN Poly(2,2'-bi-18-benzimidazole)-2,2'-diyl-1,8-octandiyl (CA INDEX NAME)



L11 ANKER 134 0F 509 CAPLUS OMYREIDT 2009 ACS on STN

AN 1909-03104 CAPLUS

IN 71:19569

OMIP 71:2084, 2506a

T1 Poly(1-acryloylbenzimidazole)

CA Shil'nan, M. I.; Fedotova, G. Ya.; Kolesnikov, G. S.; Ustinova, M. S.

CS Mendeleev, D. I., Chemical-Technological Institute, Moscow

SO S.S.S.R.

OOIN Zhurlet, Prom. Khim., Leningrad, 1968, 45(54), 89

DT Patent

LA Russian

PAN ONT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PT 250417	SI	1968/060	SI	1967/070 (-)

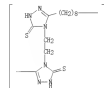
AB Diacetylenic acid dihydrazides are treated with diaminobenzoyl or with diformyl(7) derivs. of diisocyanic acids to give polymers capable of forming complexes with metals.

IT 27130-61-9

RL FRSP (Preparation)

CN 27130-61-9 CAPLUS

CA Composition of
 NN Poly(1,8-aphen-2-thiou-4H-1,2,4-triazole-3,4-diyl)-1,2-ethandiyl(1,8-dithio-5-thiou-4H-1,2,4-triazole-3,4-diyl)-1,8-octandiyl (CA INDEX NAME)



L11 NUMBER 156 OF 260 CAPLUS COPYRIGHT 2009 ACS ON STN
 AN 1969-110121 CAPLUS
 IN 20 201721
 ORIP 20 20192a, 20112a
 T1 Polystyrene acrylonitrile copoly.
 IN Williams, Joseph F., Vandenberghe, Anton L.
 PA Gewertig & M. V.
 SO Brit., 9 95
 ODDN JAKKIA
 JT Patent
 LA English
 FA PATENT NO. KIND DATE APPLICATION NO. DATE
 P1 21 156857 19690601 05 1969-6350 19690614 <--
 RE 156856 05
 RI 151136 05
 G1 For diagram(s), see printed CAPLUS.
 AS The title agents 3,3'-bis(AZ)-5,5'-trans-5-thioureido-1,4-X and/or (Y = H, Cl) may be included in the Ac emulsion, in a 100-ppm or lower on the same side of the support, or may be added after exposure from a solution, e.g., a monomer bath. 2 are prepared by dissolving 1 g-atom of X in 1 l. MeOH, adding 1 mole (H₂N)2NH2 or (H₂N)2NH2 NH2 and 0.1 mole N₂O4, and refluxing for 10 hrs. while the 1 l. MeOH crystallizes. After evaporation of solvent, the residue is taken up in 1 l. EtOH, any insoluble material filtered off, and the filtrate acidified with AcOH, the 1 may be crystallized from EtOH and/or azeo. Nitrate and formate esters give 1 (X = CH₂CH₂) by addition of chloride to the double bond. The following 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 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L11 ANKER 143 OF 300 CAPLUS OLYMPIET 2009 ACS on STN

AN 1065 410600 CAPLUS

ORP 09 2001A.2004s

IT Polybenzimidazole derived from 3,4,4',4'-tetraaminodiphenylmethane

AS Mater. Sci. Eng. 39, 7, 2001, Valencia; Schneider, J. A

ORP Mater. Sci. Eng. 39, 7, 2001, Valencia; Schneider, J. A

ORP Revue Roumaine de Chimie (1997), 12 (6), 711-19

ORP ROMANIAN J. CHEM. 1997 42(6) 711-19

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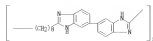
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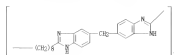
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L11 ANKER 143 OF 300 CAPLUS OLYMPIET 2009 ACS on STN (Continued)



ON 21009-11-3 CAPLUS

ON Poly(4,4'-oxydianiline-2,6-diylmethylenedioxybenzimidazole-5,2-diyl-1,8-octanediyl) (ICI) (CA INDEX NAME)



L11 ANKER 144 OF 300 CAPLUS OLYMPIET 2009 ACS on STN

AN 1065 410601 CAPLUS

ORP 09 2002s

ORP 09 2002s.2007s

IT Metacinnolone polymers. 1. Poly(6-hydroxypyrindine-3,6-diyl-p-phenylene)s

AS Stral. R. Supramol. J.

ORP Int. Macromol. Chem. 9, 10, 2002, Valencia; Schneider, J. A

ORP Revue Roumaine de Chimie (1997), 12 (17), 567-74

ORP ROMANIAN J. CHEM. 1997 42(17) 567-74

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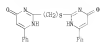
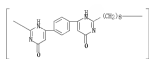
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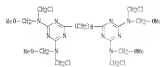
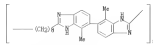
JP 14

L11 ANKER 144 OF 300 CAPLUS OLYMPIET 2009 ACS on STN (Continued)

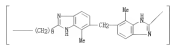


ON 21009-06-3 CAPLUS

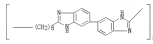
ON Poly(6-hydroxy-2,4-pyridinediyl-1,4-phenylene (6-hydroxy-2,4-pyridinediyl-1,8-octanediyl) (ICI) (CA INDEX NAME)

[illegible][illegible][illegible]

IN 32002-00-1 CAPLUS
 CN Poly[(4-methyl-1H-benzimidazole-2,5-diyl)methylene(4-methyl-1H-benzimidazole-5,2-diyl)-1,8-octanediy] (9CI) CCA INDEX NAME



LN ANNEAL REF 2000 CAPLUS COPYRIGHT 2000 ACS on STM
 ON TKT 000079 CAPLUS
 RE EFFECT OF molecular weight on the mechanical properties of oriented
 40025 PET films. 1994A.
 TI EFFECT OF molecular weight on the mechanical properties of oriented
 AU Ananthakrishnan, P.
 AU Laksh, A.; Sankhinski, E. V.
 AD Textile Research Center, Indian Institute of Technology, Madras
 50 Mahalinga Pillaiyar, (Ed.), (C), p. 579-85
 COUNTRY INDIA ISSN: 0028-1865
 50 JOURNAL
 1A
 2A The tensile strength (σ) of uniaxially oriented films was studied
 3A where σ is direct relation between σ and the mol. weight of the
 4A linear amorphous polymer [poly(ω -methacrylate), polystyrene, or
 5A poly(α -methylstyrene)] and the weight of the films were
 6A prepared. Film structure and predominantly crosslinking determined σ
 7A and σ was well correlated with the observed structure for these films and
 8A thus, in a complex and indirect way, it influenced σ .
 9A
 RE PQ (Properties)
 10A
 11A The tensile strength of films of, mol. weight in relation to
 12A 20003-45-8 CAPLUS
 ON POLY(2,6-4,11-BIS(METHANESULONYL)-2,2'-DI(2-1,8-OCTADIENYL) 1,4) (ACS INDEX NAME)



L11 ANKER 157 OF 260 CAPLUS OYFRIEHT 2009 ACS on STN
AN 1907-6644 CAPLUS
IN 65-6644

ORP 65-18674, 8830a

T1 Synthesis of polycondensation/ cyclopolycondensation reactions of imide

esters with aromatic amino acids

Ueda, Motoo; Ishida, Toshiyuki; Shima, Koichiro

CS Shv Osaka, Osaka, Japan

JP 2005-244811, 2005-06-08, 1039-04

ORP 1039-04

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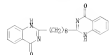
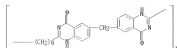
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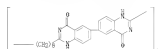
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L11 ANKER 157 OF 260 CAPLUS OYFRIEHT 2009 ACS on STN (Continued)



IN 1039-04-3 CAPLUS

ORP Poly(1,1',4,4'-tetrahydro-4,4'-dioxo[6,6']-biphenyl[2,2'-diyl]-1,8'-bis-oxazolinyl) (ICI) (CA INDEX NAME)



IN 1039-04-3 CAPLUS

ORP Poly(1,1',4,4'-tetrahydro-4,4'-dioxo[6,6']-biphenyl[2,2'-diyl]-1,8'-bis-oxazolinyl)-1,8'-bis-oxazolinyl (ICI) (CA INDEX NAME)

L11 ANKER 159 OF 260 CAPLUS OYFRIEHT 2009 ACS on STN

AN 1907-66228 CAPLUS

IN 65-18674, 8830a

ORP 65-18674, 8830a

T1 Synthesis of polycondensation/ cyclopolycondensation reactions of imide

esters with aromatic amino acids

Ueda, Motoo; Ishida, Toshiyuki; Shima, Koichiro

CS Shv Osaka, Osaka, Japan

JP 2005-244811, 2005-06-08, 1039-04

ORP 1039-04

JP 1039-04

JP 1039-04

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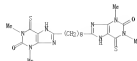
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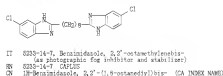
L31 ANKER 163 OF 269 CAPLUS OMYEIRDT 2009 ACS ON STN (Continued)

L31 ANKER 163 OF 269 CAPLUS OMYEIRDT 2009 ACS ON STN
 AN 1906-002029 CAPLUS
 IN 65-28029
 ORIP 65-28029g
 T1 The synthesis and pharmacologic evaluation of a series of 8-alkylthio-thiazole theophyllines
 AU Weiss, Albert J., Jr.; Burgen, Leonard M.
 CS Univ. of Maryland, School of Med., Baltimore
 JP Journal of Medicinal Chemistry (1968), 9(1), 500-6
 PUBIDN: JBCMAR; ISSN 0022-2625
 PT Journal
 LA English
 AS A series of 8-alkylthio-thiazole theophyllines were prepared and assessed for their xanthopod activity. The 8-ethylthio-6-thiothiazophylline series manifested 2 types of activity. The most active (NC) depressant, 8-ethylthio-6-thiothiazophylline, concurred well with theophylline and isobutylxanthine with respect to isoproterenol type and duration time at equivalent doses in rats. 8-(2-M-6-ethylaminoethyl)thio-6-thiothiazophylline was by far the most potent (NC) stimulant causing tonic and clonic convulsions and death within 5 min.
 IT 6486-36-0, Thiazophylline, 8,8'-octamethylenebis(6-thio-6-oxo-9H-purine-2-thione response to)
 RV 6486-36-0 CAPLUS
 ON Thiazophylline, 8,8'-octamethylenebis(6-thio- (CCL, 8CI) (CA INDEX NAME)



L31 ANKER 164 OF 269 CAPLUS OMYEIRDT 2009 ACS ON STN

AN 1906-002029 CAPLUS
 IN 65-2229
 ORIP 65-2200-8
 T1 Photographic emulsions
 AU Ferrania Società per Azioni
 JP 6 pp.
 PT Patent
 LA Unavailable
 PUBIDN: 65-2200-8
 PATENT NO. KIND DATE APPLICATION NO. DATE
 P1 BE 664095 19640910 BE 1906-0005 19630618 (---)
 IT 1343412
 PRAL IT 19640913
 T1 For diagram(s), see printed Ca. Index
 AS Compounds containing a compound of the general formula I, where X is H, NO₂, a halogen, or an allyl, vinyl, aralkyl, or alkoxy group, and n is 0 or an integer, 0-20 mol. %g. emulsion, are prepared and have low fog values. Thus, a gelatin (AgCl) emulsion containing 100 mg halide (NaCl, AgBr + 4% AgI) is treated with 0.5 ml. 1% X = Me, n = 0 per kg. emulsion to give fog 0.04 and relative speed 100, and after 30 days at 50° relative humidity 60% gave fog 0.05 and speed 104 as compared with 0.05, 100 and 0.10, 75, resp., for the control.
 IT 13014-98-7
 RV Derived from data in the Pth Collective Formula Index (1962-1966)
 ON 13014-98-7 CAPLUS
 RV Benzimidazole, 2,2'-octamethylenebis[5-chloro- (8CI) (CA INDEX NAME)

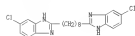


IT 0335-14-7, Benzimidazole, 2,2'-octamethylenebis[5-chloro- (8CI) (CA INDEX NAME)
 RV 0335-14-7 CAPLUS
 ON 0335-14-7 CAPLUS
 RV Benzimidazole, 2,2'-octamethylenebis[5-chloro- (8CI) (CA INDEX NAME)



L31 ANKER 165 OF 269 CAPLUS OMYEIRDT 2009 ACS ON STN

AN 1906-001258 CAPLUS
 IN 65-1258
 ORIP 65-2603,200a
 T1 Purification of cyan filter dye
 AU Puli Photo Film Co., Ltd.
 JP 13 pp.
 PT Patent
 LA Unavailable
 PUBIDN: 65-2603,200a
 PATENT NO. KIND DATE APPLICATION NO. DATE
 P1 BE 660324 19650917 BE 1906-0026 19610419 (---)
 IT 13640613
 AS Loss of emulsion speed and spot formation due to the use of com. "cyan filter" dye in the emulsion itself or in an adjacent layer are reduced if yellow insolubles absorbing at 500 and 415 mμ are removed. For this purpose 100 g. dye (absorption maxima 610 mμ) is dissolved in 700 cc. water at 60-70°, the pH adjusted to 4-6, and passed through a paper filter. The volume of the filtrate is reduced to 1/3 at 60-70° under reduced pressure. After addition of 100 cc. H₂O the liquid is chilled; 30-35 g. of crystals m. 70-80° are recovered by filtration and drying at 60-70°.
 IT 13014-98-7
 RV Derived from data in the Pth Collective Formula Index (1962-1966)
 ON 13014-98-7 CAPLUS
 ON Benzimidazole, 2,2'-octamethylenebis[5-chloro- (8CI) (CA INDEX NAME)



L11 ANWER 149 OF 300 CAPLUS OLYMPIET 2009 ACS on STN
AN 1965-27100 CAPLUS

OR 64-57100

ORP 64-59274-d

TS 1,5,8-Triazole XCI Derivatives of the π -triazolo[4,3-a]-pyridine ring

system

AT Patk, A. T.; Barter, H. R.

CS Div. of Louisville, Louisville, KY

OR Journal of Heterocyclic Chemistry (1967), 33(1), 283-90

OR ORON 1005AN, ISSN 0022-3763

OR Journal

OR LA English

OR CASREG

OR Substituted π -triazolo[4,3-a]-pyridines containing alkyl, aryl, allyl, alkylaryl,

hetero, amino, hetero, hetero, and halogen substituents at position 5

have been synthesized in a study of the chemistry of this ring system

mainly by cyclization of 2-pyridylaldehydes or their derivatives with

appropriate reagents, and by modification of groups already present in the

5-position. No substituents have also been placed at all peripheral

carbon atoms. Bis(2-pyridyl)alkyl and bis(2-pyridyl)alkylidene and intermediate

products have been obtained by the use of dicarbonyl acids, their position

substituents, or their esters in the above condensations. Substituents

containing unsat. or other functional groups can be introduced into position

5 of the bicyclic system by the use of the appropriate acid or ester. The

structures of some interesting substituted pyridines obtained as

by-products in the reaction are discussed.

IT 6500-96-9, π -triazolo[4,3-a]-pyridine, 5,8'-octamethylene-

IC, FRED (2-pyridyl)

OR 6500-96-9, (ACCS)

OR π -triazolo[4,3-a]-pyridine, 5,8'-octamethylene- (CCL) (ACS INDEX NAME)

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L11 ANWER 179 OF 300 CAPLUS OLYMPIET 2009 ACS on STN
AN 1965-42670 CAPLUS

OR 63-99210

ORP 63-184914-d

TS Coffee plant-removal articles from amantriazine-formaldehyde resins

system

AT Allied Chemical Corp

OR 64-57100

OR Patent

OR LA Unavailable

OR PATENT NO.

OR KIND

OR DATE

OR APPLICATION NO.

OR DATE

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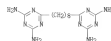
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L11 ANWER 171 OF 300 CAPLUS OLYMPIET 2009 ACS on STN
AN 1965-47200 CAPLUS

OR 63-12044

ORP 63-12274-d

TS Amantriazine derivatives

system

AT Patk, A. T.; Barter, H. R.

OR 64-57100

OR Patent

OR LA Unavailable

OR PATENT NO.

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OR DATE

OR APPLICATION NO.

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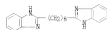
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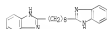
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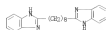
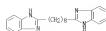
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CCI IDS

CM 3
CRN 5233-14-7
CMP C22 H32 N4
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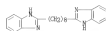
141 INKBER 186 OF 209 CAPSULE 01076707 0005 ACS ON STN
 142 1969 7018 CAPSULE
 143 1969 7018 CAPSULE
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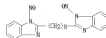
L11 ANSWER 164 OF 200 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT	5233-14-7, Benzimidazole, 2,2'-octamethylenebis- (hexahydro and octahydro deriva.)
NN	5233-14-7 CAPLUS
ON	1H-Benzimidazole, 2,2'-(1,8-octanediyl)bis- (CA INDEX NAME)

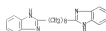


IT 160810-38-6P, Benzimidazole, 2,2'-octamethylenebis[1-nitroso-
RL: PREP (Preparation)
(preparation of)
RW 160810-38-6 CAPLIS
CN Benzimidazole, 2,2'-octamethylenebis[1-nitroso- (GCI) (CA INDEX NAME)



L31 ANSWER 185 OF 209 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)

CM	5
CRM	EGD5-14-7
CMR	722, 806, M



BN	124134-91-4	CAFLUS
CN	Benzimidazole, 2,2'-octamethylenebim-, octahydro deriv. (MCI) (CA INDEX)	

CM	1
CRM	5233-14-7
CWP	C22, 376, M



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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1218.33	1427.50

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-173.60	-173.60

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